THE BLOWN FUSE

JANUARY 1980

East Bay Amateur Radio Club

JAN. MEETING.

Jan. 11 MEETING. A SPECIAL TWO SPEAKERS -- Capt. Smith, Officer-in-Charge, Salvation Army Richmond Hdqtrs. He will tell us about the Salvation Army's Emergency Organization

Also Bob Landing, W6VAE - Slides and demo on windmill generators. Now we can solve our energy shortage for ham radio

DONT MISS THESE TALKS!

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE.
RICHMOND, CALIF. 94805

OAKLAND, CA 946
PM
5 JAN
1980

POOL, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

HRR (cont'd)
NON-IONIZING RADIATION is the subject of a study just published by the U.S. Sept. of Commerce. The 266 page report summarizes the research and findings of ten federal agencies studying safety aspects of electromagnetic radiation. Copies are available for $10.75 from National Technical Information Service, 5285 Port Royal Rd., Springfield, Va., 22161. The access number is PB-296-907/AS.

ATTACK ON MALICIOUS INTERFERENCE

A well-planned attack on malicious interference, led by ARRL Southwester Division Director, W6EJJ, has been started on the West Coast. Enlisted in the battle are area congressmen, including Repr. James Corman of Van Nuys, a nine-term veteran of the Hoouse of Representatives and long time friend of L.A. attorney N6AHU and Senator Cranston. Both have met with concerned amateurs for briefings on the jamming problem as well as rundowns on Amateur Radio's value on the local, national, and international level.

Decision to mount the ATTACK came out of ARRL Board of Director's meeting at Baton Rouge, when the directors approved W6EJJ's resolution directing League General Council Bob Booth to meet with FCC senior officials and push them for Commission aid in combatting the on-going problem. At an Aug.6 meeting Repr. Corman pledged his assistance in the effort and promised to take it right to Chairman Ferris. He also promised to work on related items with the Commission. One restriction hampering FCC has been a limit placed on using the Long Beach Field Office's use of its four mobile monitoring units to CB investigations only.

The idea of using political pressure to enlist FCC cooperation developed from a meeting that W6TEY had with Long Beach FCC Engineer-in-charge, Larry Guy about two months ago, at which Ray learned of the restrictions on the use of the monitoring unit.

MORE ON JAMMING Tapes demonstrating recent 'jamming' episodes on the West Coast will go directly to FCC Chairman Ferris, California Representative James Corman pledged to Westlink/s WA6ITF in an interview last week. In a follow-up meeting on the battle against malicious interference Rep. Corman said he did not feel the Commission was doing an adequate job of enfforcing its own rules. As an example, he cited the case of "W6JAM" (WB6LHB), who, despite his guilty plea and subsequent one-year suspended sentence and $1000 fine on three counts of using abusive language over the air, has still not had his license suspended or revoked by FCC.

If statutory change is the answer to more effective performance from the FCC then Rep. Corman plans to go to Rep. Van Deerlin, Chairman of the House Subcommittee on Communications, in an attempt to give the FCC more help. Rep. Corman, himself a member of the powerful House Ways and Means Committee, seems genuinely disturbed over what he has learned of the malicious interference problem and is quite determined to do something about it. He plans to meet with ARRL General Council Bob Booth immediately on his return to Washington this week.

AMATEUR POPULATION DOWN

U. S. Amateur population dropped during July for the first time in five years--operator total down 100 from the all-time high of 365,985 a month earlier. Most significant is that the falloff comes entirely from a drop of 700 in the Novice class, which would have been expectedto have held its own due to the recent extension of Novice licenses to five years. The trend has been developing for some months, and during the same period a drop-off in sales of amateur equipment has occurred, especially beginning level gear. All other classes of licenses showed an increase, but not enough to completely off-set the drop in Novice grade.

TWO METER ANTENNA COMPETITION RESULTS
Partial results saw top honors go to an experimental Cushcraft with 14.8 dB gaIN OVER A REFERENCE DIPOLE. Second place was shared by Cushcraft's new "Boomer" and an experimental 19 element F9FT at 14.1 dB. The regualr F9FT came in at 13.2 followed by Cushcraft's collinear and new Junior Boomer at 13.1 dB . Top homebrew antenna was by N4PZ at 12.9 dB.

KENWOOD 2- METER HAND-HELD, TR-2400 features 800 channel, 10 memories, full scan from 143.9 to 148.495 , to include MARS, CAP, with LCD frequency read-out, 16 button TT pad, reverse repeater switching, will be introduced at SoWest Div. convention at Anaheim Oct 19. First deliveries early November.

PRESIDENT'S MESSAGE

It was gratifying and indicative of progress ahead to have the good turn out at the Board meeting held Jan. 2 at the home of Sec'y , Muriel Hunter, WD6FRP, to congratulate her enmass at her gaining her tech license.

The organization of committees for the coming year was well begun with chairmen in charge. Now to fill out those committees so that the jobs before us will be accomplished in timely fashion.

Much needs to be done in promoting growth of membership, appearances at schools and service clubs and publicity generally so that our communities will be aware that we are here and able to serve in emergency.

I urge all members to take and active part by helping on a committee. With your strong support our club can continue to show good growth in 1980.

We have a full year of programs lined up which will hold everyone's interest and will deserve your support.

Early among our projects will be the placement and test of equipment at our HQTRS- the Salvation Army Center where we meet. Do you have a spare receiver we could use? Two meter, Low band, or other band. Initially we expect to have two low band transmitters, but are short of receivers.

Also donations to bolster our monthly raffles of useful items for the shack will be appreciated, and help to reduce the drain on club treasury for purchase of prizes. Often times your No-Longer-Needed items are just what someone else would like and put to good use--better than some purchased prize costing several dollars.

Don't forget-we are shooting for an early release of a new roster, so that getting your dues in promptly is very important. Only paid up members can be listed in the roster. Our dues are a good buy--cost--about a hamburger per QUARTER, and they make our existence possible, financing the BLOWN FUSE, Membership in Personal Communications Foundation (Legal reservoir for hams with zoning/building department problems), and of course, our necessary club insurance.. See you Friday !!!

Mickey Khaler, WD6FYF

HR NEWS and Misc.

With the WARC wind-up,Amateur Radio world-wide and in USA in particular has come off in fine style, better than many had thought possible.

Many thanks are due to the WARC committee of ARRL and international groups. This sets the pattern for the next 20 years. Some of the benefits, new bands, will be from two to five years coming into use, but they will be coming along offering new challenges and opportunities.

Over HALF A MILLION dollars were spent on the HAM WARC effort, and the people involved didan unbelievable job. The Ham interests were credited with being the best prepared of any group at WARC. It is fitting that thisclub pass along a letter of appreciation to ARRL to in turn pass to those hard-working public spirited hams that did the job. Our president is taking this action.

This is another reason for us all to support ARRL--we would be facing a dim New Year for ham radio but for this splendid effort.

So are you an ARRL member? If not, shoot your check for $18.00 to our club treasurer, Peter Annas, and put your support where it will return you dividends in good hobbying for years to come!! Ed.

NEW REPEATER - SOUTH BAY

SPECS (Southern Peninsula Emergency Communications System) has a new repeater up on 144.67 IN - 145.27 OUT call W6ASH/R. The machine is temporarily at residence of Walt Read W6ASH in Los Altos Hills, but will eventually be atop ElCamino Hospital , Mt. View, which should be better than the present elevation on top a 100 foot pine tree! No duplexer yet, but a good one is on order. The city of Mountain View donated a 2-way all solid state (except final) rig and about 24 hams donated the other $1000 to build the repeater. Any donation could be sent to Fred Barry K6RTU, 105 Solana Dr. Los Altos, Ca. 94022. The rig will be open for general rag chew when not in emergency use. That's what we call community spirit and cooperation.!!..!..!

Officers: (1980)

Pres.	Mickey Khaler	WD6FYF	232-0194
1st V.P.	Dave Tyler		524-3715
2nd V.P.	Don Waits	WD6DLR	529-1785
3rd V.P.	Bill McCarty	WD6ETU	223-6056
Sec'y	Muriel Hunter	WD6FRP	524-3128
Treas.	Peter Annas		527-5804
Editor.	Steve Dodge	K6ZR	233-5833
CCRC Rep.	Les Bodin	W6JKY	632-3707
CCRC Rep.	Sid Lagorio	WA6JGZ	526-8604

Directors:

Grant Calhoun	N6XP	233-0566
Frank Taylor	WA6VBV	234-0771
'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

Committees and Chairmen:

Executive Committee:	The Officers.	
Legal & Finance	Mickey Khaler, Pres.	WD6FYF
Emergency Communications & Operations	Grant Calhoun	N6XP
Education	Dave Tyler	
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Field Day	Dave Tyler	
House Arrangements & Hospitality	Joe Lee	WB6DOB
Inter-Club activities	Bill McCarty	WD6ETU
	Les Bodin	W6JKY

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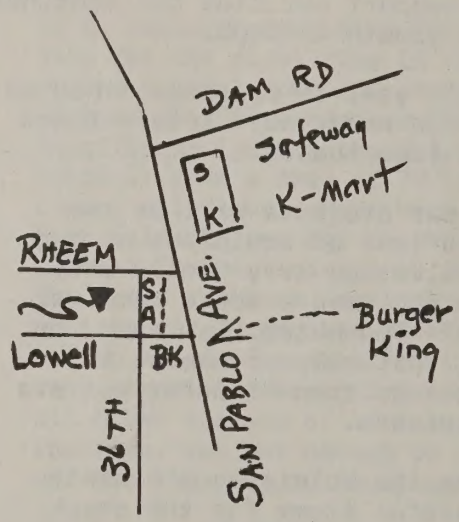
San Jose, Ca. 95124
(408) 371-3819

PAC. DIV. VICE DIRECTOR
Robert C. Smithwick, W6JZU
516 Remington Dr.
Sunnyvale, Ca. 94087
(408) 736-8601

EAST BAY SECTION SCM
Bob Vallio, W6RGG
18655 Sheffield Rd.
Castro Valley, Ca. 94546
(415) 537-6704

EAST BAY EMERG'CY COORDINATOR
Chuck Breeding K6UWR
3131 Raleigh Ct.
Fremont, Ca. 94536
(415) 792-7803



CONGRATS DEPARTMENT

A big 'C' to Muriel Hunter, our genial and efficient secretary for having up-graded to TECHNICIAN GRADE in DEC. Another welcome signal on the tech bands.

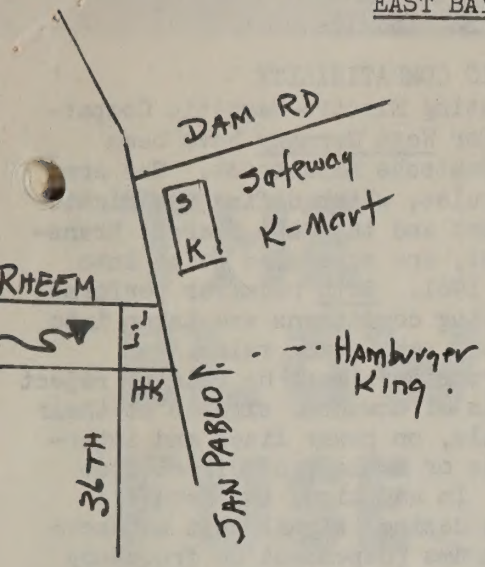
WELCOME NEW MEMBERS

We are delighted to welcome the following new members to EBARC. To get the most from your club affiliation we urge you to participate on one of the committees of your choice.

Joyce Ginocchio	AK6Q
Walt Halsey	WB6MFE
Sam Mason	WD6FTM
Carl Homsher	Studying for license.
Geo Rodriguez	WB6NAH

WELCOME ABOARD !!!!!

EAST BAY AMATEUR RADIO CLUB Sept. 1979 meeting NOTICE.



Date: Sept. 14. Time 7:30 PM,
At: Salvation Army Center, 36th & Rheem, Richmond
(Just around the corner to West, off San Pablo Ave.)
Speakers: Bill Stevens, W6ZM, Pac. Div. Director, ARRL
Bob Smithwick, W6JZU, " " Vic-Director, ARRL
Latest report on ARRL National Bd. of Directors meeting at Baton Rouge, La.
Come hear, and support, these active hams who give so much of their time and effort working for OUR INTERESTS!
All area Amateurs welcome. Snacks, and Raffle.
Bring a neighbor ham.

SEE YOU THERE!

STEVE DODGE K6ZR, Pres.

SIMULATED EMERGENCY TEST

National ARRL sponsored SET set for Oct. 13. Let's really turn out in force and show what we can do for this drill. We'll be coordinating with various city departments, County ,Departments, Hospitals, Red Cross and Salvation Army.

VISITOR INVITATION AND WELCOME Presented by: _____

Call_____ Date _____

Hi-There Fellow Radio Amateur.

You're invited and we welcome you to attend the meetings of the EAST BAY AMATEUR RADIO CLUB.

We meet the second Friday evening of each month at the Salvation Army Center, corner of 36th and Rheem Blvd., Richmond, Just around the corner off San Pablo Ave.

We are an active club with Community Service program. We are also a FUN Club!

We publish a newsy Bulletin, the BLOWN FUSE, which features club news as well as many extracts from the WEEKLY Ham Radio Report, which brings you vital ham developments weeks before they appear in the 'hard bound' ham magazines.

We are an ARRL affiliated club (more than 50 % ARRL members and QST subscribers. And we are members of the Personal Communication Foundation and so have access to the legal briefs and helps which they are accumulating to assist amateurs who encounter tower, or other legal or permit problems. We welcome you to join us.

FOR REVISED EMERGENCY MOBILIZATION PLAN.

Yes, sign me on for the local plan, to be coordinated with the Salvation Army and Red Cross.

1. My QTH town, ( )
2. Other location ( )
3. Preference: ( ) Police. ( ) Fire. ( ) Public Works, depts.
   Have: Vehicle mobile gear ( ) Hand-held ( )
4. Prefer home base station assignment ( ).
5. Bands I can cover ( )( )( )( )( )( )
   P-Phone, C-CW
   B- Both.

PRESIDENT'S MESSAGE

Our August picnic at Live Oak Park in Berkeley was a very enjoyable occasion for all who attended, and a fair crowd considering the number away on vacation or attending the Hamfest in Reno. The weather was absolutely perfect. In addition to some late HRR news briefs we had an up-date on progress with the Salvation Army, and set a meeting with Area Commander, Capt. Smith, which was duly held on August 29. At that meeting occupancy was mutually agreed upon with Capt. Smith, and there remains only confirmation by his advisory board--scheduled to meet Sept. 18. However we are cleared for the September meeting at the new location--Salvation Army Center, Corner of Rheem and 36th St., Richmond, just a stone's throw off San Pablo Ave.

We discussed location of antennas on the roof, and all appears to be in line for a very fine set-up that can enhance our recognition in the community and help achieve our goal of being a significan part of emergency commun_ications capability for our area, something we can all participate in and feel proud to be a part of. We will work with the Salvation Army and with the Red Cross, and with the Police, Fire, and Public Works Departments of the several cities in our area.

Signing of the occupancy agreement awaits only action by their board of our insurance arrangements.

- - - - - -

Just as we go to press we have received reply from ARRL via W. Dale Clift, WA3NLO Headquarters Liason for ARRL ad hoc Committee on Biological Radiation Hazards, acknowledging our Club's communication on this important subject. Enclosed was a copy of FCC Notice of Inquiry, Docket 79-144 covering the subject of Radiation Health and Safety.
The letter and documentation is too lengthy to comment on at this press time but will be up for discussion at the September meeting. Another good reason to be sure and make that meeting as well as to hear our Pacific Division Director (ARRL) Bill Stevens, W6ZM, and get the latest work from the National ARRL director's meeting at Baton Rouge, La. Don'T Miss IT !

HAM RADIO REPORT EXTRACTS.

ELECTRO-MAGNETIC COMPATIBILITY

Rules regulating Electro-Magnetic Compatibility (EMC) for West Germany have been issued by the Deutsche Bendespost. The comprehensive new rules, which define the rights of both listeners and thos who operate transmitting stations, are scheduled to go into effect July 1, 1981. Both receiver performance and receiving conditions are taken into account under the new German rules. Entertainment receivers must be able to reject specified levels of unwanted signals at their antenna terminals, on power lines and interconnecting leads or cables, or direct from nearby fields. In addition, the actual strength of the desired signal must be above specified minim ums (dependent on frequency and service) or a complaint of interference will no be accepted. RFI To Non-Radio Devices such as tape recorders or electronic organs is NOT covered under the new regulations which apply only to radio receivers. Never-the-less, the new German Rules appear to be a firm move in a positive direction as RFI complaints and EMC problems continue to increase.

IONOSPHERIC HOLE EXPERIMENT is now to take place Friday Detp. 14 (meeting day, Ed Note) with the Atlas-Centaur's launch window from 0530 tp 0630-Z. A 100 watt beacon transmitter will be operating from near Arecibo, Puerto Rico, during the experiment, with a similar station on 40 meters also likely.
Any continuousoperation station in the broadcast through VHF spectrum can be used as a beacon for the experiment, with reports of signal strength and any unusual effects required every few minutes before and after the launch. Effects could last several hours.
W1JR will coordinate observer reports on 3920-5 KHz during the event. For details write Joe at 17 Mansfield Rd. Chelmsford, Ma. Zip 01824.

ARRL's LONG RANGE PLANNING COMMITTEE wants suggestion from the Amateur Community. Send them to Chairman W4KFC or to LRPC c/o ARRL Headquarters.

HEATH OFFERS COAX SWITCH --The SA-1480 five position rotary switch shorts out all un-used positions for lightning protection, is rated at 2 KW through 2 meters. Kit price $84.95. Also Heath will have a new True RF Clipper for all Heath SSB rigs in N

THE BLOWN FUSE

February 1980

East Bay WB6US Amateur Radio Club

PROGRAMS AHEAD !!!!!!

Feb. 8, 1980 Speaker: Ron Miller, WB6JGV
Ron is a Concord Police Officer, active in Contra Costa County R.A.C.E.S. organization and will be giving us the hot scoop on EMERGENCY SERVICES and the recent deveopments in RACES.

Mar. 14, 1980 Speakers: Dwayne Estridge, W6LKE,
Dwayne is ARRL Emergency Coordinator for Contra Costa County, and will give us a full run-down on the County OES, the Red Cross and the ARES programs.

These two fine programs will give us excellent perspective for the preparation efforts looking forward to the Spring SET (Simulated Emergency Test) LET'S GIVE THIS EFFORT AND THESE SPEAKERS FULL SUPPORT. SEE YOU AT THE MEETINGS, ED.

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Publicity-- Special	Les Bodin W6JKY
	Jonathan Hymer WB6FJC

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EAST BAY SECTION SCM
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18655 Sheffield Rd.
Castro Valley, Ca. 94546
(415) 537-6704

EAST BAY EMERG'CY COORDINATOR
Chuck Breeding K6UWR
3131 Raleigh Ct.
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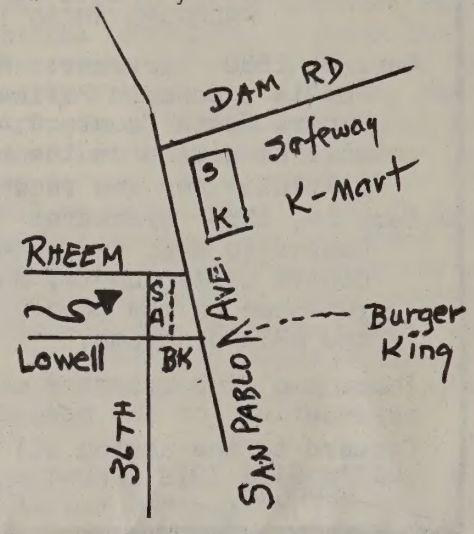
(415) 792-7803



WELCOME VISITORS !!!

Bill Davis	KA6DFY	Richmond
Sam Darrett	N6ALE	Richmond
Harry Conlin	WD6DPV	Richmond
Gordon Speak		Richmond

Come again soon. Better yet, Join our club !!

CLUB POSTERS TO BE PREPARED

Your Bd. of Directors authorized preparation of a supply of Club Posters suitable for posting in radio stores, schools, such as Electronics classes, libraries, banks, senior citizen centers, etc. The posters will tell of our meeting location and times, and about classes. WE'll need your help to get these well placed when ready.

JONATHAN HYMER WB6FJC NEW PUBLICITY CHRMN

Former Editor, Jonathan Hymer, has accepted the chairmanship of the Publicity Comittee to work on special publicity through all media for the club. This important job will benefit by his past experience. He will welcome your suggestions and help. Strong publicity for the club is essential to steady growth. Do you have a contact with a radio of TV station, or a local newspaper, including the Shopping guides? Let Jon know.

MURIEL HUNTER HOSTESS FOR BOARD MEETING

Our gracious secretary again so kindly entertained the Board meeting at her home Jan 30. My thanks to her for that cooperation. And thanks to all chairmen who gave committee reports, and to all who participated. The Board Meetings are essential to our successful functioning. Special thanks to Grant Calhoun, N6XP, for the offer of legal assistance and for exploring costs and legalities of incorporating. Mickey Khaler, WD6FYF, Pres.

hr REPORT . . .

BILL ORR, W6SAI, WILL JOIN HAM RADIO HORIZONS as a regular monthly columnist, beginning with the March, 1980, issue. Bill is one of the most-respected and best-known of all Amateur Radio authors, having written innumerable articles for most of the major Amateur magazines. He also has written many books on Amateur subjects — particularly antennas — and is the editor of the highly-regarded Radio Handbook. We are particularly proud to have Bill become a member of the Ham Radio family.

THE CURRENT SUNSPOT CYCLE may have peaked already, and if it hasn't quite yet it appears likely that the peak will occur some time between now and the end of the year. Reviewing the sunspot counts over the past several months, and NOAA calculations using the Ohl-Sargent technique (HRR 193) indicate the peak will most likely occur in the October/November/December span.

With MUFs Up To 6 Meters (see page 4) and DX conditions on all bands including 160 seeming to be at an all-time high, it seems unlikely that solar activity can continue to increase. However, the actual occurrences of a peak can't definitely be determined until several months after its passage. Fortunately, propagation deteriorates much more slowly on the downside of a sunspot cycle peak, so expect outstanding DX opportunities on all bands for at least a few more years!

FREE MEDICAL ADVICE FOR HIGH SEAS emergencies has been offered by Memorial Hospital Medical Center, Long Beach, California, in the aftermath of a recent incident involving the hospital's emergency room and an injured seaman in the South Pacific. The hospital has now offered to accept collect calls from Amateurs in California, Nevada, Oregon, and Washington who are in contact with maritime mobile stations who have medical emergencies, and to offer any assistance they can in those emergencies.

The Event That Precipitated Memorial's generous offer began with W6CRD's phonepatch last month from VP5TJ/MM Region 3 on the 77-foot motor vessel Tin Ajo to the hospital's emergency room. Via the patch, Dr. Alan Hooper was able to successfully treat the vessel's Chief Engineer for a severe coral-induced infection, though he was across the Pacific at the time. W6CRD ran follow-up contacts between VR5TJ/MM and Dr. Hooper until the infection subsided and the patient was out of danger. Thanks Westlink.

W2LTP'S ANTENNA FIGHT won't be heard by the Supreme Court (HRR 271) after all. In a Monday release, the court "dismissed the challenge to a Cranford, New Jersey, ordinance under which an Amateur Radio operator was required to obtain a permit for building two antenna towers. He argued he was subject to federal, not state, laws involving radio operations." Thanks WA2LQQ.

JUST ANNOUNCED FCC RESEARCH studies of interest to Amateurs include Automatic Transmitter Identification (ATIS), remote control HF direction finding feasibility, SSB techniques for Land Mobile use, and "Regulatory Tradeoffs in the Citizens Radio Service..." All have been funded for fiscal 1980.

A PROGRAMMABLE SUB-AUDIBLE tone option for the FT-207 hand held has just been announced by Yaesu. The plug-in accessory permits programming access tones from the radio's keyboard, and will be available early next year.

TRISTAO & PRATT TOWER Company is Lou Tristao's new tower venture, coming out with an entire new line of competitively priced crank-up towers and masts. They're located at 3635 West La Vida, PO Box 3715, Visalia, California 93278; (209) 733-2438, and are looking for reps for most parts of the country.

HR EXTRACTS

AMATEUR LICENSING AND RFI are both wel
draft of Senator Goldwater's Communicatio
currently being circulated by Republican
Communications Subcommittee. Under the p
is being prepared for introduction early
Amateur license terms would be extended t
could "use licensed Amateurs to administe
and grant temporary licenses." The FCC w
authority to require protective circuitry
equipment." Also covered in the draft is
fees. Thanks W6SAI.

HANDICAPPED PROSPECTIVE AMATEURS won't
or written exams, the Commission decided
that held many implications for future Am
the discussion there were several comment
much used by Amateurs, and Chairman Ferri
CW no longer seemed relevant to Amateur a
dropped from the requirements for all Ama
capped! As a result of this discussion t
tinct possibility that the commission cou
CW requirements above 144 MHz, in accorda
Article 41, and later implement further r
the final WARC position on Amateur CW (HR

The Amateur Satellite Service was also
commission meeting. After considerable d
was given for a Notice of Proposed Rule M
for Amateur satellite operation, based on
satellite rules and the experience of AMS
OSCARs 6, 7, and 8. Release of the NPRM

CANADA'S MASS EVACUATION in the wake o
day, Canadian Pacific wreck that released
propane gas in Mississauga, Ontario, brou
ications assistance from area Amateurs.
were pulled out of the 60-square-mile are
early Sunday, and severe overloads of are
by concerned relatives and friends made p
restrictions to "emergency use only."

With Public Services Channels well occ
problems and law enforcement, local Amate
available link for health and welfare tra
tions, in each of the 11 emergency shelte
schools, community centers and shopping m
for reuniting many separated families and
the safety of relatives and friends. The
SONT net on 40 (7195) and another net on
longer-haul traffic for the refugees, man
away from their homes until later in the

At Least 150 Toronto area Amateurs too
repeaters VE3MHZ (Brampton) and VE3SKY (W
traffic conduits. VE3DRW (Hamilton) and
also were on alert as backups. Coordinat
Radio communications network was by the O
Canadian Red Cross, with operation from t
hospitals and Red Cross headquarters on a
basis throughout the emergency.

One Incident That Received good press
uniting of a deaf-mute couple by Amateur
evacuated while he was at church. Her no
Amateur operator at her shelter, and a QS
to the location of her missing husband an
sign language — of each other's safety.

PRESIDENT'S MESSAGE

Officers: (1980)

Pres.	Mickey Khaler	WD6FYF	232-0194
1st V.P.	Dave Tyler		524-3715
2nd V.P.	Don Waits	WD6DLR	529-1785
3rd V.P.	Bill McCarty	WD6ETU	223-6056
Sec'y	Muriel Hunter	WD6FRP	524-3128
Treas.	Peter Annas		527-5804
Editor.	Steve Dodge	K6ZR	233-5833
CCRC Rep.	Les Bodin	W6JKY	632-3707
CCRC Rep.	Sid Lagorio	WA6JGZ	526-8604

HAM RADIO REPORT EXTRACTS.

Directors:

Grant Calhoun	N6XP	233-0566
Frank Taylor	WA6VBV	234-0771
'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

Committees and Chairmen:

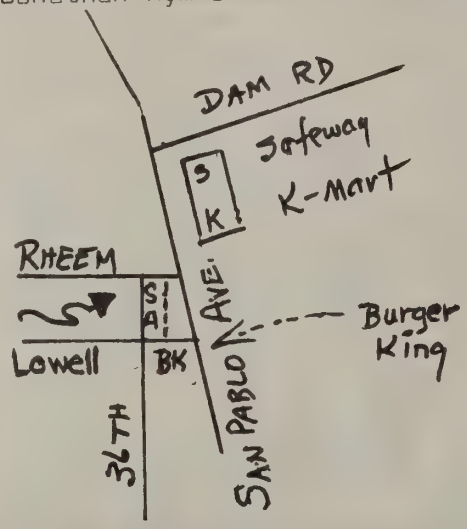
Executive Committee:	The Officers.
Legal & Finance	Mickey Khaler, Pres. WD6FYF
Emergency Communications & Operations	Grant Calhoun N6XP
Education	Dave Tyler
Publications	Steve Dodge K6ZR
Programs	Steve Dodge K6ZR
Field Day	Dave Tyler
House Arrangements & Hospitality	Joe Lee WB6DOB
Inter-Club activities	Bill McCarty WD6ETU
Publicity-- Special	Les Bodin W6JKY
	Jonathan Hymer WB6FJC

The East Bay Radio Club meets on the second Friday of each month at the Salvation Army Headquarters, on the corner of 36th St. and Rheem Ave., Richmond, Ca. This is one short block west of San Pablo Ave. on Rheem. We meet at 7:30 PM. Come join the fun.-- Excellent programs, raffle, refreshments and conviviality. See map opp.

****

AMERICAN RADIO RELAY LEAGUE, Inc.
225 Main St.
Newington,CT. 06111
News 'Hot Line'

PACIFIC DIVISION DIRECTOR
William J. Stevens, W6ZM
2074 Foxworthy Ave.
San Jose, Ca. 95124



WELCOME VISITORS !!!

hr REPORT . . .

BILL ORR, W6SAI, WILL JOIN HAM RADIO HORIZONS as a regular monthly columnist, beginning with the March, 1980, issue. Bill is one of the most-respected and best-known of all Amateur Radio authors, having written innumerable articles for most of the major Amateur magazines. He also has written many books on Amateur subjects — particularly antennas — and is the editor of the highly-regarded Radio Handbook. We are particularly proud to have Bill become a member of the Ham Radio family.

THE CURRENT SUNSPOT CYCLE may have peaked already, and if it hasn't quite yet it appears likely that the peak will occur some time between now and the end of the year. Reviewing the sunspot counts over the past several months, and NOAA calculations using the Ohl-Sargent technique (HRR 193) indicate the peak will most likely occur in the October/November/December span.

With MUFs Up To 6 Meters (see page 4) and DX conditions on all bands including 160 seeming to be at an all-time high, it seems unlikely that solar activity can continue to increase. However, the actual occurrences of a peak can't definitely be determined until several months after its passage. Fortunately, propagation deteriorates much more slowly on the downside of a sunspot cycle peak, so expect outstanding DX opportunities on all bands for at least a few more years!

FREE MEDICAL ADVICE FOR HIGH SEAS emergencies has been offered by Memorial Hospital Medical Center, Long Beach, California, in the aftermath of a recent incident involving the hospital's emergency room and an injured seaman in the South Pacific. The hospital has now offered to accept collect calls from Amateurs in California, Nevada, Oregon, and Washington who are in contact with maritime mobile stations who have medical emergencies, and to offer any assistance they can in those emergencies.

The Event That Precipitated Memorial's generous offer began with W6CRD's phonepatch last month from VP5TJ/MM Region 3 on the 77-foot motor vessel Tin Ajo to the hospital's emergency room. Via the patch, Dr. Alan Hooper was able to successfully treat the vessel's Chief Engineer for a severe coral-induced infection, though he was across the Pacific at the time. W6CRD ran follow-up contacts between VR5TJ/MM and Dr. Hooper until the infection subsided and the patient was out of danger. Thanks Westlink.

W2LTP'S ANTENNA FIGHT won't be heard by the Supreme Court (HRR 271) after all. In a Monday release, the court "dismissed the challenge to a Cranford, New Jersey, ordinance under which an Amateur Radio operator was required to obtain a permit for building two antenna towers. He argued he was subject to federal, not state, laws involving radio operations." Thanks WA2LQQ.

JUST ANNOUNCED FCC RESEARCH studies of interest to Amateurs include Automatic Transmitter Identification (ATIS), remote control HF direction finding feasibility, SSB techniques for Land Mobile use, and "Regulatory Tradeoffs in the Citizens Radio Service..." All have been funded for fiscal 1980.

A PROGRAMMABLE SUB-AUDIBLE tone option for the FT-207 hand held has just been announced by Yaesu. The plug-in accessory permits programming access tones from the radio's keyboard, and will be available early next year.

TRISTAO & PRATT TOWER Company is Lou Tristao's new tower venture, coming out with an entire new line of competitively priced crank-up towers and masts. They're located at 3635 West La Vida, PO Box 3715, Visalia, California 93278; (209) 733-2438, and are looking for reps for most parts of the country.

HR EXTRACTS

AMATEUR LICENSING AND RFI are both well covered in a new draft of Senator Goldwater's Communications Act rewrite that's currently being circulated by Republican members of the Senate Communications Subcommittee. Under the proposed draft, which is being prepared for introduction early in next year's session, Amateur license terms would be extended to 10 years and the FCC could "use licensed Amateurs to administer license examinations and grant temporary licenses." The FCC would also have "the authority to require protective circuitry in consumer electronic equipment." Also covered in the draft is the subject of license fees. Thanks W6SAI.

HANDICAPPED PROSPECTIVE AMATEURS won't be given special CW or written exams, the Commission decided Tuesday in a session that held many implications for future Amateur rules. During the discussion there were several comments that CW was no longer much used by Amateurs, and Chairman Ferris suggested that since CW no longer seemed relevant to Amateur activities it should be dropped from the requirements for all Amateurs, not just the handicapped! As a result of this discussion there appears to be a distinct possibility that the commission could be planning to drop CW requirements above 144 MHz, in accordance with present ITU Article 41, and later implement further relaxations in line with the final WARC position on Amateur CW (HRR 272).

The Amateur Satellite Service was also discussed in Tuesday's commission meeting. After considerable discussion the go-ahead was given for a Notice of Proposed Rule Making to establish rules for Amateur satellite operation, based on present ITU Amateur satellite rules and the experience of AMSAT and the FCC with OSCARs 6, 7, and 8. Release of the NPRM is expected shortly.

CANADA'S MASS EVACUATION in the wake of the midnight, Saturday, Canadian Pacific wreck that released chlorine and burning propane gas in Mississauga, Ontario, brought invaluable communications assistance from area Amateurs. Almost 250,000 people were pulled out of the 60-square-mile area southwest of Toronto early Sunday, and severe overloads of area telephone exchanges by concerned relatives and friends made phones unreliable despite restrictions to "emergency use only." (NW.)

With Public Services Channels well occupied with logistical problems and law enforcement, local Amateurs provided the only available link for health and welfare traffic. Two-meter stations, in each of the 11 emergency shelters hurriedly set up in schools, community centers and shopping malls, were responsible for reuniting many separated families and reassuring others of the safety of relatives and friends. The recently formed COMSONT net on 40 (7195) and another net on 75 (3770) handled the longer-haul traffic for the refugees, many of whom were kept away from their homes until later in the week.

At Least 150 Toronto area Amateurs took part, with 2-meter repeaters VE3MHZ (Brampton) and VE3SKY (Weston) the principal traffic conduits. VE3DRW (Hamilton) and VE3RSB (Burlington) also were on alert as backups. Coordination of the vital Amateur Radio communications network was by the Ontario Division of the Canadian Red Cross, with operation from the emergency shelters, hospitals and Red Cross headquarters on a 24-hour, three-shift basis throughout the emergency.

One Incident That Received good press coverage was the reuniting of a deaf-mute couple by Amateur Radio after she'd been evacuated while he was at church. Her note was passed to the Amateur operator at her shelter, and a QST over two meters led to the location of her missing husband and the reassurance — by sign language — of each other's safety. Thanks CARF News Service.

hr REPORT . . .

AMATEUR RADIO'S STRONG WARC showing was due in no small part to the U.S. government's very positive pro-Amateur Radio position, which in turn was the result of a well organized and hard working FCC Advisory Committee on Amateur Radio (ACAR). The work of this group, which drew 20-30 members to Washington for its many meetings over a four-year period, not only resulted in the firm position of the U.S. delegates for the Amateur Service but also helped a great deal developing Amateur Radio support in other ITU nations

NEW SSB-ONLY CB CHANNELS just above the present CB band came a long step closer to reality at the Commission's Wednesday meeting. The immediate result will be an NPRM proposing a 12-watt PEP SSB-only extension of the present CB service, but asking for comments on whether VXOs should be permitted, should the present 150-mile limit be eliminated, whether the expansion would cause more TVI, and whether operation on the new frequencies should require passing a special exam?

The Private Radio Bureau's staff proposal was for expansion into new 12-watt maximum SSB-only channels, VXO use permitted, no distance restrictions, but requiring a special license with an exam administered by an outside contractor. However, one FCC staff member recently returned from Geneva commented that the WARC had turned down proposals for a no-code HF Amateur license, but that what the Bureau had proposed "looks, feels and smells like Amateur Radio — and the rest of the world will know that's what it is, no matter what you call it!" Later in the discussion Chairman Ferris noted the principal difference between Amateurs and CBers is in what they talk about! !!

POSSIBLE INTERMOD FROM CB EXPANSION is covered in a new FCC technical report announced recently. "Probability of Intermodulation Interference in an Extended CB Service" — a significant publication in view of this week's proposal for SSB CB expansion — costs $4.50 from National Technical Information Service, Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22151. Request #PB 300296.

220 MHZ USE IS GROWING at a rate of 125 per cent per year, according to the 220 MHz Spectrum Management Association of Southern California. The Los Angeles, San Diego, San Francisco, Chicago, Detroit, and New York metropolitan areas show the greatest 220 use, with more than 440 220-MHz systems listed in these areas. Southern California now has 83 repeaters on 220, and about 2,000 stations using them, the group reports.

AMATEUR COMMUNICATIONS FOR THE WINTER OLYMPICS will be provided by the Winter Olympics Radio Amateur Network, using Ten-Tec Model 546 OMNI-Series B transceivers. WORAN, with 65 full-time and 125 part-time operators, will handle emergency and personal messages for the games' participants, as well as communications for the "torch run" from Greece. Ten-Tec is loaning the transceivers, housed in compact operating consoles which include RTTY and VHF equipment, for use during the games.

OPPOSITION TO A 900 MHZ CB BAND has been raised by the National Association of Broadcasters. The NAB has told the FCC that a CB band in the 928 to 947 MHz range would create "intolerable interference" for some radio stations and would prevent assigning adjacent frequencies for studio-to-transmitter use. The NAB said it does not oppose assigning 894-902 MHz for CB use, however, according to a report in Electronic New

H.R. EXTRACTS

RULES FOR AN AMATEUR RADIO SATELLITE Service have been proposed by the Commission as a Notice of Proposed Rule Making on Docket 19852, which dates back to 1973. Under the NPRM a new Subpart H would be added to Part 97 to cover the new Amateur Satellite Service (AMSS), which would be open to all Amateurs subject to the restrictions of their licenses. "Space Operations," defined as "Space-to-Earth Amateur Radio Communications from a station which is beyond...a major portion of the Earth's atmosphere," would be limited to those Amateurs holding Extra Class licenses, however.

Other Provisions of the proposed AMSS rules would require capability for immediate shutdown of an Amateur station operating in space, but would permit stations in space to operate as repeaters and to operate without I.D. Bands proposed for the new AMSS are 7.0-7.1, 14.0-14.25, 21.0-21.45, 28.0-29.7, 144-146, 435-438, and 24000-24050 MHz. Detailed requirements for international coordination and registration are also included in the NPRM. The due date for Comments on Docket 19852 is February 5, and reply comments must be filed on or before March 6.

"OSCAR THE HAM RADIO SATELLITE," a new book by K4TWJ, details OSCAR history and operating information. A Tab publication, it is available from AMSAT for $4.95 plus $1 for first class postage. For more information or to order, write AMSAT, PO Box 27, Washington, D.C. 20044. Telephone orders with VISA or Master Charge will be accepted at (202) 488-8649.

NOAA WEATHER BROADCASTS may not be picked up from VHF stations and rebroadcast over local or even by an individual Amateur station, despite some lingering confusion over this point of law. FCC rules — 97.61(c) — specifically prohibit the retransmission of any broadcast picked up outside the allocated Amateur sub-bands. Such weather broadcasts may be rebroadcast during times specified as weather emergencies by NOAA, however, and of course the periodic testing of emergency systems is not prohibited. Thanks LIMARC.

The Use Of Autopatches for dialing local weather reports is not, despite recent published reports, illegal. Since these weather reports are not originated as "broadcasts", their retransmission by Amateur stations — either repeater or individual — is not a violation of FCC rules.

"VOLUNTEER AMATEUR EXAMS ARE ILLEGAL!", the FCC's General Council declared at the Commission's agenda meeting Wednesday. The bombshell announcement came as the Commissioners discussed terminating Docket 20679, the Notice of Proposed Rule Making that would have required volunteer examiners to submit photocopies of their licenses when requesting an exam. The judgment appears to stem from recent Congressional concern that some government agencies were improperly expanding their staffs without approval of Congress, by use of volunteers and contractors. When the legal staff reviewed the volunteer program in connection with Docket 20679, they concluded it is illegal and thus must be terminated.

What Effect Termination will have on existing training programs and U.S. Amateur growth, not to mention the added burden on FCC's Field Offices, remains to be seen. For the first three years of the Novice program its exams were all Field Office administered; responsibility for Novice exams has rested with the Amateur Service since June, 1954.

No Date Has Yet been set for the termination.

FIRST 2-METER MOON[illegible]UNCE WAC was achieved late Wednesday Nov. by K1WHS, when he worke[illegible] 6TS on CW. K1WHS was running 1,000 watts to a 160-element Cushcraft DX Array, while ZS6TS was using four 19-element Cushcraft "Boomers." Congratulations!

HAWAII'S RECENT DEVASTATING STORMS took out power for over 60 per cent of the island state's residents, caused tremendous property damage and a number of deaths. The inter-island 2-meter network was knocked out when 115 mph winds wiped out the system's hub on Maui's 10,000 foot Mt. Haleakala. Inter-island Amateur communications have, however, been maintained on the lower bands for the emergency, particularly on 40 meters.

On Oahu, Amateurs Manned each of the Civilian Defense District Emergency Operations Centers and the main centers at Diamond Head and Honolulu city hall around the clock, while a staff of Amateurs at the National Weather Service's Meteorlogical Forecast Office provided weather updates. Amateurs provided a great deal of emergency information not available from other sources, and with both power and telephones still out at the end of the week, they were using portable and mobile equipment to fill in communications gaps in many areas. Thanks KH6DD, Westlink.

"NO PERMIT" RECIPROCAL operation by U.S. Amateurs in Canada and Canadian Amateurs in the U.S. goes into effect January 21. The Department of Communications agreed with the FCC to make the rules relaxation effective on that date, so starting Monday the Amateurs of either country can operate as freely across the border as they do at home. Novices, for whom there is no Canadian equivalent, will apparently be excluded.

JINXES CONTINUE TO PLAGUE the just-ended Palmyra/Kingman DX-pedition, which began with a plane crash (HRR 285). Operation leader K6LPL slipped and fell Friday as the group was preparing to leave Palmyra, cutting his left hand so badly he had to be air evacuated to Honolulu for treatment. After a six-hour operation to repair the damage to his hand, Dave flew back to California Tuesday for further treatment. Thanks Westlink.

WA6YQW, Jan Gould, will be hospitalized in Ward 42, Trippler USA Hospital, Honolulu, Hawaii 96859 for another 3-4 weeks, due to her injuries from the plane crash. Thanks DX Bulletin.

"PLAIN LANGUAGE" AMATEUR RULES are now moving toward reality, following the Commission's adoption Wednesday of a Notice of Proposed Rule Making for plain language radio control rules. Staff losses from John Johnston's Rules group will unquestionably slow the effort, however (HRR 285).

ASCII Implementation may not be too far off after all, however. New rules encompassing ASCII have been drafted and could go to the Commissioners for approval as early as the end of this month or the middle of February.

75 METER BROADCAST STATIONS planned by the Canadian Broadcasting Corporation could well appear on the air as early as June, 1981, according to a senior CBC official interviewed by CARF last week. Fortunately, only one or possibly two are projected for the Sackville, New Brunswick, installation, where curtain antennas will be directed northwest into the Canadian arctic. As total transmitter bandwidth is to be limited to eight kHz, relatively little of the top end of 75 will actually be occupied.

250 Kilowatt Transmitters are to be used in CBC's arctic service, however, so even with main antenna lobes pointed northward some strong lobes should be heard in the U.S. New England and the East Coast will be especially susceptible. With only one (or two) channels in use, disturbance of U.S. Amateur operations is not expected to be severe.

A NEW RUSSIAN AMATEUR SATELLITE is thought to be in the works, with European sources rumoring that the launch will be February 9. Signals sounding like spacecraft telemetry, sometimes identifying as "RS3" on CW, were heard on 29474 starting last Friday. Bearings taken by a number of Amateurs throughout the world placed those signals as originating in central Siberia. Similar signals have also been copied on 29390, apparently originating from ground tests in southwestern Russia.

A Watch For Further such activity continues on the high end of 10 meters. Anyone hearing possible Russian spacecraft ground test transmissions should make tapes and send them to K1HTV for analysis. Thanks K1HTV, WA2LQQ, K6PGX.

HARRY DANNALS, W2HD, was re-elected ARRL President at the League directors' meeting in Newington last week. Carl Smith, WØBWJ, became First Vice President as Vic Clark, W4KFC, stepped aside so as to devote more time to his leadership of the Long Range Planning Committee (though he remains an ARRL Honorary Vice President and President of IARU Region 2). A new office, Vice President for International Affairs, went to Noel Eaton, VE3CJ, while Larry Price, W4RA, and Max Arnold, W4WHN, were named Second and Third Vice Presidents respectively. W6EY and W6KW were both also elected Honorary Vice Presidents.

Amateur Radio's Outstanding Success at the recent WARC was discussed at length, with the board deciding the spirit of international cooperation established during WARC preparation must be continued. The establishment of VE3CJ's new office was the result of that discussion.

An Extensive Survey of Amateur Radio by the Long Range Planning Committee was approved, to include both members and nonmembers of the ARRL and determine their attitudes toward both Amateur Radio and the League. Previous surveys have been demographic in nature — what bands do you work, what license class do you hold, and so on — whereas this one will concentrate on feelings and attitudes in order to develop information on where Amateur Radio and the League are now and where both should be going. The survey should get underway in early spring and be completed by fall.

Other Board Topics included authorizing studies on potential uses for the new 10 and 902 MHz bands, relaxing present limits on use of 160, and possible expansion of 20 meter phone. They also want to try to reverse the new FCC policy of not giving Amateur exams at Hamfests, and plan a study of how the ARRL DX Contest fares under the new rules introduced this year.

A Full Complement of Directors and about a dozen Vice Directors attended the session, which went quite smoothly.

PHOTOCOPIES ARE NOW ADEQUATE substitutes for an Amateur's original license. The rules change, which was OKed by the FCC in early December, became effective December 21.

Amateur Use Of ASCII, also approved by the Commission late last year, could begin soon. New rules are presently being worked out, and it is possible that they could be approved by late this month or early next month.

A 2-METER LINEAR TRANSLATOR, probably the first of its kind, went on the air January 6 from the QTH of WB6VIV in Oakland. The 100-milliwatt translator was built by the California Narrow Band Communicators, who report successful QSOs with stations located in the Sierras — more than 100 miles away. The translator has also handled t[illegible] QSOs at once with no difficulty. The group also has a working [illegible]anslator on 1296 MHz, running 1 [illegible]tt.

1980 PROGRAMS SHAPE UP

Feb. 8 - Ron Miller, WB6JGV, Concord Police Dept., active in the RACES program , will give us an update on recent developments in the County RACES program. This is sure to be appropriate to our club's upcoming Emergency Communication set-up planned for installation at the Salvation Army Hdqtrs. Also a short talk on adapting reel-type antennas to a crank-up tower, by Dan Waits, WD6DLR.

Mar. 14 - Dwayne Eskridge, W6LKE, ARRL Emergency Coordinator for Contr Costa County will discuss the ARES program and other Emergency Services, such as County OES organization, Red Cross, etc. This will be a fine preparatory talk for the Simulated Emergency Test (SET) slated for April.

Apr. 11 - A talk and demonstration of traffic handling techniques by Dave Palmer, N6KI, and Eric Williams WD6CMU, (both of UC Berkeley Radio Club-W6BB) Since this meeting will be immediately prior to the SET, this will be a very opportune time to get the latest on techniques, forms, etc., related to message handling.

ADDITIONALLY, each month it is palnned to have a short (10 minute) talk on some subject immediately related to ham radio by any of our members. If you have worked out a project or idea, and would like to air it to our group, or if you would be willing to share your experience and ideas on any technical phase of ham radio here's your chance. There are a million subjects that would be interest to cover, such as, tuned circuits, crystal filters , using a GDO, using a NOISE BRIDGE, tuning up antennas, safety devices, etc, etc, ad infinitum. Just let program chairman Dave Tyler know your interested in sharing with us.

RICHMOND RADIO CLUB CW NET NEEDS CONTROL

Chas Henry, W6EJA, long time member of EBARC as well as RRC has for ages been mainstay of the RRC net for CW on 21.115 Wednesday evenings at 8 PM. Participation has been dropping, therefore we urge our members to drop in on this net, and tell your friends who are anxious to get some slow speed CW practice about it. A great chance to enjoy so QSO's with local friends. Newer, hams especially will enjoy this hour.

And would you like some practice as NET CONTROL? Here's your chance. Brush up on those Q signals, especially the QN series used in net operations. Just let Chas know at 232-9237.

Following the CW net, a phone NET comes up on 21.350 at 9 PM, (Wednesday pm) and all are welcome to check in.

SEE YOU AT THE MEETING FRIDAY NITE ! !

Extra BLOWN FUSES copies BEING MAILED

Your Board of Directors has authorized the mailing of 30 to 50 copies of THE BLOWN FUSE to hams with addresses in our zone of interest - Berkeley to Crockett. We hope this will draw some visitors to our meetings, who will then become interested in joining. We very much need to expand our membership. Have you talked with a neighbor ham and would like him to get a copy of the bulletin. If so, call STEVE DODGE, K6ZR editor and give him the dope. WE'll be glad to see it's mailed for a month or two. By rotating down the list of about 200 hams in our area we hope to cover the whole lot in three to five months.

Our THANKS TO Chris and Betty BALDO, AI6S and KB6P respectively for their donation of $18.00 to defray some of the extra cost of this special mailing program and take the load off the club's treasury which is about to be tapped for costs involved in lumber, paint, etc, for our installation at the Salvation Army. If you would like to lend a little extra financial help in this endeavor, just drop a check (In <u>any</u> amount) to treasurer Peter Annas and designate it for BLOWN FUSE SPECIAL MAILING.

SPEAKING OF DONATIONS--

Did you know that at least three of our members, who wish to remain anonomous, have made donations to the Salvation Army, through whose kindness we are enjoying a super meeting place. What a nice idea ! Again, ANY amount would be welcomed by the Army. Mind you, they have made no appeal to us; this has been strictly voluntary by some of our members who recognize that the S.A. fills a vital community need and is worthy of support. Donations tax deductible, of course.

ROSTER TIME DRAWS NEAR

The new roster will be prepared for mailing with the April BLOWN FUSE. So time is closing fast to get 1980 dues so you will be listed in the roster. See treasurer Peter Annas at the meeting or, if you can't make the next meeting drop a check to him at 715 Coventry Rd., Kensington, Ca. 94707.

WORLD RADIO NEWS SUBSCRIPTION PRIZES

During the past year subscription certificates were awarded as 'on-time' door prizes. It seems there may have been a slip up on the part of World Radio News Office in getting some of these on the mailing list. Did you, perchance, send in such a certificate and fail to get the magazine? If so contact Steve Dodge at 233-5833 and he will take the matter up with WR News office.

THE BLOWN FUSE

MARCH 1980

East Bay WD6CUS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE.
RICHMOND, CALIF. 94806

POOL, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

MEETING PROGRAMS
Mar. 14, 1980 Speaker: Dwayne Eskridge W6LKE
Dwayne is ARRL Emergency Communications Coordinator for Contra Costa County. He'll give us a full run-down on the County O.E.S., the Red Cross and the ARES program.

APRIL 11 -- Talk and demo on traffic handling by Dave Palmer, N6KI, of U.C.Amateur Radio Club, W6BB, along with Eric Eilliams WD6CMU. This will be a very opportune time to review this topic just prior to our Aprl SET.

MAY 9 -- Don Cole of Santa Fe Railroad with a talk on modern railroad communications and electronics. THESE WILL BE INTERESTING-COME - HAVE FUN.

hq REPORT

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ROSTER TIME DRAWS NEAR

The new roster will be prepared for mailing with the April BLOWN FUSE. So time is closing fast to get 1980 dues so you will be listed in the roster. See treasurer Peter Annas at the meeting or, if you can't make the next meeting drop a check to him at 715 Coventry Rd., Kensington, Ca. 94707.

WORLD RADIO NEWS SUBSCRIPTION PRIZES

During the past year subscription certificates were awarded as 'on-time' door prizes. It seems there may have been a slip up on the part of World Radio News Office in getting some of these on the mailing list. Did you, perchance, send in such a certificate and fail to get the magazine? If so contact Steve Dodge at 233-5833 and he will take the matter up with WR News office.

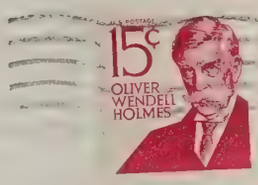
THE BLOWN FUSE

MARCH 1980

East Bay Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE
RICHMOND, CALIF. 94806

EL CERRITO CA MAR 9 1980



POOL, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

MEETING PROGRAMS
Mar. 14, 1980 Speaker: Dwayne Eskridge W6LKE
Dwayne is ARRL Emergency Communications Coordinator for Contra Costa County. He'll give us a full run-down on the County O.E.S., the Red Cross and the ARES program.

APRIL 11 -- Talk and demo on traffic handling by Dave Palmer, N6KI, of U.C.Amateur Radio Club, W6BB, along with Eric Eilliams WD6CMU. This will be a very opportune time to review this topic just prior to our Aprl SET.

MAY 9 -- Don Cole of Santa Fe Railroad with a talk on modern railroad communications and electronics. THESE WILL BE INTERESTING-COME - HAVE FUN.

hr REPORT

RESTRICTIONS ON USE OF AMATEUR frequencies for radio control has upset the R/C modelers. The issue arose following an FCC legal opinion that only a licensed Amateur can operate a model using 6-meter R/C; Amateurs cannot supervise another non-Amateur who is at the model's controls. Many modelers have been buying 6-meter control systems to avoid 27 and 72 MHz QRM problems, expecting to be "legalized" at meets by friendly Amateurs. Following the FCC legal opinion, however, the Academy of Model Aeronautics announced in January, 1980, Model Aviation that non-Amateurs using 6-meter R/C may no longer compete in AMA meets.

The AMA Is Pushing to reverse the FCC opinion, on the grounds. that non-licensees are permitted to operate on the other R/C bands under a licensed operator's supervision. What the AMA overlooked, or perhaps intends to fight, is that Article 41 of the International Radio Regulations limits Amateur bands to licensed Amateurs!

AUCTION !!! AUCTION !!! March 21, 1980
Mt. Diablo Amateur Radio Club
At: Christ the King Church
Gregory Lane at Brandon Rd.
Pleasant Hill, Ca.
Bring Items to be sold BY 6:00 PM
Auction begins at 7:00 PM
Southbound on 680-24 Take Gregory off-ramp
Northbound Take Contra Costa Blvd off-ramp
to Gregory Lane. Go West on Gregory
to Brandon. Many Goodies for sale!!

SIGN PETITION - ACT AGAINST JAMMERS.!

Phil Marquis, an officer of Grizzly Peak Amateur Radio Club, has started a petition drive to the local office of the FCC to try and get some action started against JAM MING on local repeater frequencies, and other frequencies too. Your Bd of Directors has approved a petition to that effect which will be available at the March meeting. Please sign it.If FCC gets enough signatures to show demand interest they CAN DO something about it, but we must show them that we want action.

COMMUNICATORS NEEDED FOR MARATHON MARCH 30.

EBARC has been requested by the Mt. Diablo club to assist with planning and carrying out a communications plan in support of a maratho n to be held from 8 AM to about 3 PM on March 30. The runners will start in Pinole, run to Martinez and return to Pinole. EBARC would be responsible for the marathon route from Pinole -along Alhambra Valley Rd. to about Bear Creek Rd. The operation will require a "base station" at Pinole, and several check points (portable/mobile) and one or two mobile units.

Here's a great ooportunity to perform a valuable public service--and get some good publicity for our club, too.--Anyone who can help on this please contact Dave Tyler at the March meeting--or call him at 525-6200.A nice chance to get aquainted with some of Mt. Diablo club gang, too.

EBARC-RACES ACTS IN STORM CRISIS

As members of the recently formed RACES group, ten members of our club participated in emergency operations related to the heavy rains of recent date. Operations began with a call to 'ready' status on the evening of Feb. 18. By morning, two of our members, Lew Lewellen WA6JSO and Chas Henry W6EJA reported for duty at the Richmond Chapter of the Red Cross to assist with flood damage assessment in North Richmond, to consider if evacuation of residents would be necessary. They were ably assisted by M.K.Brock, W6ZJL of the 4 C8s repeater club, who served as the Red Cross base station. That operation was completed by 11:30 that morning. Lew took Red Cross damage experts to the flood site and operated on TWO MTRS. The whole operation was done so smoothly that by the time Chas arrived to relieve Brock at the ARC HQTRS, it was almost over. Good work all around. They remained in stand-by until the emergency was declared ended. Frequencies for emergency use in West Contra Costa County are:3980 KHz, 7288 KHz, " mtr. simplex- Primary on 146.985, secondary on 146.43-- with 223.74 also assigned for 220 band operation.

EMERGENCY QUESTIONNAIRE

Instructions were inadvertently omitted last moth. We need your help in finding out what our capabilities really are. If you have not already filled out the questionnaire sent with last issue of the Blown Fuse, please do it now and bring to the March meeting. If you cannont make that meeting, please mail it to Dave Tyler at PO Box 6017, Albany, Ca. 94706. We cannot properly plan for our base station frequencies--for which we must acquire or build gear, poesibly buy crystals without your input by the questionnaire. Please, PLEASE,do this.

RACES GROUP STILL OPEN.

If you missed the chance to sign up for RACES last meeting, see Dave Tyler at the March meeting, or call him at 525-6200. Note his corrected phone number and correct your roster.

CONGRATS DEPT

Heartiest congrats to Bill McCamty, WD6ETU, and Don Waits,WD6DLR, both having recently 'made' ADVANCED. Good going, fellas. See ya on some new freqs now !.

HOW'S YOUR CW COPY AT 75 WPM?

Or have we even ever HEARD CW at 75 WPM? Don Dunn, K6BJJ has some graduated high speed CW tapes and is going to run them for us at meeting. They will be interesting to hear, don't MISS!

WELCOME TO VISITORS

At Feb. meeting we had the following visitors, and hope they will be back with us.

Stan Saniuk, W6PRR
Roy Stout, K6MFF
Wil Senior K6SEZ
Richard Gray, WA6RWM

Nice to meet-cha, fellas. Come again.

TECH/GENERAL CLASS STARTS MAR.13.
Evening class (7 to 10 PM) Thursdays starts Mar. 13 at CONTRA COSTA COLLEGE. This class will NOT be in the electronics lab building, but in the PHYSICAL SCIENCES Bldge (top of the hill-where the planatarium is located. Steve DODGE, K6ZR, instructing. Pass the word, please. No FEE. Registration at the classroom. Last date to start will be second class Mar. 20. No CODE instruction. Theory and regs, only .

CLUB AQUIRES 6 METER BASE STATION

Courtesy Ed Sheldon of AC Transit, and a sharp eye by Geo Rodrigues, WB6NAH, our club has received and have 'on-Hand* at the Salvation Army HQ, a Motorola, 100 watt, 6 meter base station in 6 foot rack. We have purchased some cabinets which should be received at the S.A.HQ within a week, so that an early date for an antenna erecting party is in order. The Motorola rig is reported ready to go with just a little inter-chassis hooking up. We need a 6 meter mobile unit. also 2 meter gear. Can you help? We have two low-band (160 to 10) rigs available to install. So we'll need about four antennas. This set-up should give us a premier base for our emergency operations with all agencies.

LAST CHANCE TO GET LISTED IN NEW CLUB ROSTER.

We don't want to miss any members in the new roster to be distributed with the April issue of The Blown Fuse, but Treasurer PETER ANNAS says a few os us haven't got our dues check to him yet. So please see him without fail at the March meeting so you don't get omitted from the roster.

If you can't make that meeting, rush your $8.00 to Peter Annas, Tres. at 715 Coventry Rd. , Kensington. Must reach himby March20 to beat the DEAD-LINE.

Ed.Note: Bulletin publication costs, and all other costs have been going up so this may be last chance to get 'in' at the $8.00 figure. Most other clubs have higher dues. So hurry it, please.

Proposed BY-LAWS AMENDMENT.

Last year there was a motion passed to make available an ASSOCIATE (non-voting) membership to bonafide members of other Amateur Radio Clubs at a half price rate of $4.00 (of which $3.00 just covers preparation and mailing of the BLOWN FUSE). At the time it was not presented as an amemdment to the by-laws. This needs to be corrected at this time. So your attendance and vote on this matter at the March meeting will be appreciated.

Papers of Incorporation are being prepared by Grant Calhoun, N6XP, as this was deemed necessary by your board of directors, in view of new commitments and responsibilities, what with transmitting equipment being installed and the potential problems of a legal nature which should be covered by incorporating. This item of business will also be on the agenda.

THIRD PARTY BUSINESS COMMUNICATIONS via Amateur Radio would be permitted under rules changes in a Petition for Rule Making filed with the FCC by NØBGP. Comments on RM-3562 must be filed with the Commission by March 2, with a copy to the petitioner.

Expansion Of General Class frequency assignments is sought in another petition, designated RM-3565, filed by W9MCJ. Comments on that petition are also due by March 2.

RFI FROM AND TO PERSONAL COMPUTERS has been a problem for Amateurs who've become involved in both hobby areas, and it will be multiplied greatly when computer-to-computer communications via Amateur Radio becomes a reality shortly. The FCC has new RFI standards for computers due to go into effect July 1, but a number of computer makers are objecting strongly to that date and want it extended — some by as much as two years. The Commissioners are likely to consider the question later this month.

DENTRON IS PLANNING many new products for this year's Dayton Hamvention. Leading off is a very compact 100-watt HF transceiver with digital readout, complete with AC supply in a 4x10x15(d) cabinet. Its matching kilowatt linear measures only 4x7x15(d), also with AC. Accessories include RF speech processor, and keyer.

New Antenna Tuners include the multi-feature DTR-3KA, which includes a thermostatically protected 2-kW PEP dummy load, out-board insertion VSWR coupler and 6:1 vernier tuning, and the AT-3, a 3-kW basic antenna tuner with dual meters and antenna switching. The compact AT-1 is rated one kW CW/1200 W PEP.

Dentron's New DTR-1200L Linear features a pressurized-chassis-cooled pair of 572Bs and independent plate and filament switching. The W-2PEP is a 2-kW peak or average reading 1.8-30 MHz wattmeter with dual meters; the SWR-1A is a dual reading SWR/relative power meter usable from 1.8-150 MHz.

Dentron's New Phone Number is actually (216) 688-4973, not the number typoed in last week's HR Report.

A NEW TRIBANDER BEAM, the A3, has just been announced by Cushcraft. Compact, it has a 14' boom and 28' longest element, weighs only 35 lbs. The A3, available in March, will sell for $199.95.

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Amateurs With Ideas, information or suggestions for solving the malicious interference problem should contact WØBWJ at his Callbook (or Page 8, QST) address. An editorial heralding this new attack on the growing problem will appear in March QST.

THE DISASTER COMMUNICATIONS Service under Part 99 of the FCC Rules would be eliminated in favor of a "Disaster Response Program" under Part 90, Local Government Service, if General Docket 80-7 becomes part of the rules. Under the Notice of Proposed Rule Making adopted last month, present Part 99 frequencies and authorizations would fall under Part 90. Amateurs active in CD or other emergency programs would probably be affected.

NOAA WEATHER BROADCASTS may not be transmitted via Amateur stations, the Commissioners confirmed Wednesday in denying RM-3457. The Commission noted that weather information is available from many other sources, and thus the ban on the retransmission of "broadcasts" by Amateurs is still desirable.

That Ban, it should be noted, also applies to all other such "broadcasts," including WWV's time and propagation reports.

Reports On Which Of The Questions an Amateur (or commercial) license applicant got wrong cannot be provided by the FCC, the Commission also decided Wednesday. In dismissing RM-2665 the Commissioners noted the cost of such a program was estimated to be about $300,000, money that could be better spent elsewhere.

Finally, "Temporary" Amateur licenses, to be issued to a family member or friend by an Amateur whose call they'd use, were also rejected by the Commissioners. In dismissing RM-2774 and RM-3000 they noted that such a procedure would be too prone to abuse.

NOVICES AND TECHS WILL be able to operate in Canada under the new no-permit rules relaxation. However, they'll be limited to the operating privileges they enjoy with their class of license when operating in the United States. Thanks CARF News Service.

DX-80, THE BIG ANNUAL FRESNO DX Convention, has been scheduled for April 19-20 at the Fresno Holiday Inn. Expected DX notables include OH2BH, DJ9ZB, HB9MX, HBØLL, K5VT/SV5, K6LPL, the Colvins, and a contingent from the recent 8Z4 operation. Pre-registration forms will go out February 15; request them from W6ET.

RULES PERMITTING ASCII for U.S. Amateurs were adopted at the Commission's Agenda meeting on Wednesday, with its use on Amateur bands likely as soon as early March. In adopting the third Report and Order on Docket 20777, the Commission specified that Amateur ASCII transmissions must conform to ANSI Standard X3.4-1968, with F1 (only) used on frequencies presently authorized for RTTY use between 3.5 and 21.25 MHz at a maximum rate of 300 baud. On RTTY frequencies between 28 and 225 MHz, F1, F2, and A2 may be used, at a transmission rate up to 1200 baud. Above 420 MHz, F1, F2, and A2 are all permitted, with a baud rate up to 19.6 kilobaud.

Under The New Rule Section 97.69(b), ASCII will be permitted not only for conventional communications but also for such purposes as computer-to-computer communications, computer control of repeaters and other Amateur stations, and packet communications. No changes were made in present bandwidth limitations, however, and at press time further action on 20777 Docket appears unlikely.

The Precise Date on which use of ASCII will be permitted will probably be available next week.

AN APPARENT THREAT TO 220 MHZ has surfaced in the FCC's consideration of a new inland waterways communications system. FCC General Docket 80-1 (January 16 Federal Register, pages 3064-3070) proposes an automated ship-to-shore communications system for Mississippi River tugboats, towboats, and barges by amending Parts 2, 81, and 83 of the Rules. Though river users had originally petitioned for frequencies between 150 and 170 MHz, the Commission instead proposed 216-220 or 806-890 MHz because of congestion in the lower frequency band.

The Challenge To The 220-225 MHz Amateur band doesn't appear until the NPRM's summary, where paragraph 26 says, "...we are proposing to allocate frequencies in either the 216-225 MHz band or the 806-890 MHz band." The use of 225 instead of 220 MHz at this point could be dismissed as a typographical error, since all other references to that band in the docket specify 216-220. However, an Amateur who raised the question with one of the lawyers involved in the docket's preparation was told the wider band would certainly be an advantage as the increased offset this would make possible would improve the duplex communications system's performance at low cost!

Whether Or Not the 220-225 MHz Amateur band was included in this NPRM in error, lack of serious Amateur objection to that inclusion could certainly jeopardize its future! Comments on Docket General 80-1 are due March 24, with an original and five copies (11 copies if you wish each Commissioner to receive one) required for a formal submission. Thanks WA9ZZU.

A DOMESTIC QSL SERVICE, handling incoming and outgoing cards, is now available to U.S. Amateurs. The U.S. QSL Service, run by N6BMY and KB7JW, will handle all stateside cards, including KH6 and KL7, for 25 cents per 20 QSLs. For full details write USQS, 15871 South Howards Mill Road, Mulino, Oregon 97042 (include an SASE for response).

A NEW, INEXPENSIVE CRYSTAL FILTER is being made by KVG for use between the i-f and detector stages of modern HF receivers, to eliminate internally generated noise from high-gain ICs. The filter sells for less than $16 and is available from Spectrum International, Box 1084, Concord, Massachusetts 01742.

WBØMSZ'S "DIRECTORY OF QSL Managers" is now being published by W6GO and K6HHD. The computerized list of over 4000 DX stations and their managers is $1.75 first class mail ($2.80 overseas) from W6GO or K6HHD at their Callbook addresses.

YAESU HAS MOVED to a new 35,000-square-foot facility at 6851 Walthall Way, Paramount, California 90723. Their telephone number is unchanged: (213) 633-4007.

THE "NEW" HAM RADIO HORIZONS magazine was going in the mail at presstime. The March issue has many new features — W6SAI's "Ham Radio Techniques" column, expanded DX coverage, a "Q & A" department, and a bright, upbeat graphic design. Editorially the magazine has shifted to Amateur Radio's middle ranks, and the editors promise top editorial content for the active ham.

THE BLOWN FUSE

APRIL 1980

East Bay W6CUS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE.
RICHMOND, CALIF. 94805

POOL, Morrie W6CJI
7315 Eureka St. Tel. 525-
El Cerrito, Ca. 94530

COMING EVENTS

SIMULATED EMERGENCY TEST (SET)
April 19 - Saturday
A 'hand-out' sheet covering full scenario and frequency plan will be available at next meeting - April 11. Don't miss it!!!!!

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On The HF Bands, W2LTP reports that a station that's been jamming his 40-meter "HHH Net" (HRR 222) for the last six weeks was nailed by FCC investigators January 22 and was found to be an Advanced Class Amateur operating in Colorado. According to the FCC's Denver Field Office, the jammer was cited for violations of Part 97.91, one-way transmissions; 97.121, operating with a callsign not assigned by the FCC; and 97.125, deliberately interfering with established communications.

The Malicious Interference problem was also addressed at last month's ARRL Board meeting, with an ad hoc committee to study the problem authorized by Minute 65. League First Vice President WØBWJ has just been named by President W2HD to head that committee, with Directors KØGA and W5EDZ and Vice Directors W2IHA and WB6UIA selected to serve on it. W1UED will be headquarters liaison.

Amateurs With Ideas, information or suggestions for solving the malicious interference problem should contact WØBWJ at his Callbook (or Page 8, QST) address. An editorial heralding this new attack on the growing problem will appear in March QST.

THE DISASTER COMMUNICATIONS Service under Part 99 of the FCC Rules would be eliminated in favor of a "Disaster Response Program" under Part 90, Local Government Service, if General Docket 80-7 becomes part of the rules. Under the Notice of Proposed Rule Making adopted last month, present Part 99 frequencies and authorizations would fall under Part 90. Amateurs active in CD or other emergency programs would probably be affected.

NOAA WEATHER BROADCASTS may not be transmitted via Amateur stations, the Commissioners confirmed Wednesday in denying RM-3457. The Commission noted that weather information is available from many other sources, and thus the ban on the retransmission of "broadcasts" by Amateurs is still desirable.

That Ban, it should be noted, also applies to all other such "broadcasts," including WWV's time and propagation reports.

Reports On Which Of The Questions an Amateur (or commercial) license applicant got wrong cannot be provided by the FCC, the Commission also decided Wednesday. In dismissing RM-2665 the Commissioners noted the cost of such a program was estimated to be about $300,000, money that could be better spent elsewhere.

Finally, "Temporary" Amateur licenses, to be issued to a family member or friend by an Amateur whose call they'd use, were also rejected by the Commissioners. In dismissing RM-2774 and RM-3000 they noted that such a procedure would be too prone to abuse.

NOVICES AND TECHS WILL be able to operate in Canada under the new no-permit rules relaxation. However, they'll be limited to the operating privileges they enjoy with their class of license when operating in the United States. Thanks CARF News Service.

DX-80, THE BIG ANNUAL FRESNO DX Convention, has been scheduled for April 19-20 at the Fresno Holiday Inn. Expected DX notables include OH2BH, DJ9ZB, HB9MX, HBØLL, K5VT/SV5, K6LPL, the Colvins, and a contingent from the recent 8Z4 operation. Pre-registration forms will go out February 15; request them from W6ET.

RULES PERMITTING ASCII for U.S. Amateurs were adopted at the Commission's Agenda meeting on Wednesday, with its use on Amateur bands likely as soon as early March. In adopting the third Report and Order on Docket 20777, the Commission specified that Amateur ASCII transmissions must conform to ANSI Standard X3.4-1968, with F1 (only) used on frequencies presently authorized for RTTY use between 3.5 and 21.25 MHz at a maximum rate of 300 baud. On RTTY frequencies between 28 and 225 MHz, F1, F2, and A2 may be used, at a transmission rate up to 1200 baud. Above 420 MHz, F1, F2, and A2 are all permitted, with a baud rate up to 19.6 kilobaud.

Under The New Rule Section 97.69(b), ASCII will be permitted not only for conventional communications but also for such purposes as computer-to-computer communications, computer control of repeaters and other Amateur stations, and packet communications. No changes were made in present bandwidth limitations, however, and at press time further action on 20777 Docket appears unlikely.

The Precise Date on which use of ASCII will be permitted will probably be available next week.

AN APPARENT THREAT TO 220 MHZ has surfaced in the FCC's consideration of a new inland waterways communications system. FCC General Docket 80-1 (January 16 Federal Register, pages 3064-3070) proposes an automated ship-to-shore communications system for Mississippi River tugboats, towboats, and barges by amending Parts 2, 81, and 83 of the Rules. Though river users had originally petitioned for frequencies between 150 and 170 MHz, the Commission instead proposed 216-220 or 806-890 MHz because of congestion in the lower frequency band.

The Challenge To The 220-225 MHz Amateur band doesn't appear until the NPRM's summary, where paragraph 26 says, "...we are proposing to allocate frequencies in either the 216-225 MHz band or the 806-890 MHz band." The use of 225 instead of 220 MHz at this point could be dismissed as a typographical error, since all other references to that band in the docket specify 216-220. However, an Amateur who raised the question with one of the lawyers involved in the docket's preparation was told the wider band would certainly be an advantage as the increased offset this would make possible would improve the duplex communications system's performance at low cost!

Whether Or Not the 220-225 MHz Amateur band was included in this NPRM in error, lack of serious Amateur objection to that inclusion could certainly jeopardize its future! Comments on Docket General 80-1 are due March 24, with an original and five copies (11 copies if you wish each Commissioner to receive one) required for a formal submission. Thanks WA9ZZU.

A DOMESTIC QSL SERVICE, handling incoming and outgoing cards, is now available to U.S. Amateurs. The U.S. QSL Service, run by N6BMY and KB7JW, will handle all stateside cards, including KH6 and KL7, for 25 cents per 20 QSLs. For full details write USQS, 15871 South Howards Mill Road, Mulino, Oregon 97042 (include an SASE for response).

A NEW, INEXPENSIVE CRYSTAL FILTER is being made by KVG for use between the i-f and detector stages of modern HF receivers, to eliminate internally generated noise from high-gain ICs. The filter sells for less than $16 and is available from Spectrum International, Box 1084, Concord, Massachusetts 01742.

WBØMSZ'S "DIRECTORY OF QSL Managers" is now being published by W6GO and K6HHD. The computerized list of over 4000 DX stations and their managers is $1.75 first class mail ($2.80 overseas) from W6GO or K6HHD at their Callbook addresses.

YAESU HAS MOVED to a new 35,000-square-foot facility at 6851 Walthall Way, Paramount, California 90723. Their telephone number is unchanged: (213) 633-4007.

THE "NEW" HAM RADIO HORIZONS magazine was going in the mail at presstime. The March issue has many new features — W6SAI's "Ham Radio Techniques" column, expanded DX coverage, a "Q & A" department, and a bright, upbeat graphic design. Editorially the magazine has shifted to Amateur Radio's middle ranks, and the editors promise top editorial content for the active ham.

THE BLOWN FUSE

APRIL 1980

East Bay Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE.
RICHMOND, CALIF. 94805

POOL, Morrie W6CJI
7315 Eureka St. Tel. 525-
El Cerrito, Ca. 94530

COMING EVENTS

SIMULATED EMERGENCY TEST (SET)
April 19 - Saturday
A 'hand-out' sheet covering full scenario and frequency plan will be available at next meeting - April 11. Don't miss it!!!!!

APRIL 11 -- Talk and demo on traffic handling by Dave Palmer, N6KI, of U.C.Amateur Radio Club, W6BB, along with Eric Eilliams WD6CMU. This will be a very opportune time to review this topic just prior to our Aprl SET.

MAY 9 -- Don Cole of Santa Fe Railroad with a talk on modern railroad communications and electronics. THESE WILL BE INTERESTING-COME - HAVE FUN.

EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

The EAST BAY AMATEUR RADIO CLUB meets the Second Friday of each month at the Salvation Army Center. 36th & Rheem, Richmond
7:30 PM

Officers: (1980)

Pres.	Mickey Khaler	WD6FYF	232-0194
1st V.P.	Dave Tyler		524-3715
2nd V.P.	Don Waits	WD6DLR	529-1785
3rd V.P.	Bill McCarty	WD6ETU	223-6056
Sec'y	Muriel Hunter	WD6FRP	524-3128
Treas.	Peter Annas		527-5804
Editor.	Steve Dodge	K6ZR	233-5833
CCRC Rep.	Les Bodin	W6JKY	632-3707
CCRC Rep.	Sid Lagorio	WA6JGZ	526-8604

Directors:

Grant Calhoun	N6XP	233-0566
Frank Taylor	WA6VBV	234-0771
'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

FCC AUTHORIZATION IS REQUIRED for maritime mobile operation from a U.S. flag vessel, according to Section 302(s) of the Communications Act. In a follow-up letter to the FCC letter to WA4AIY cited in HR Report 293, which had seemed to indicate that any nation's valid Amateur license would be legal for operation on board a U.S. ship, the Commission will state that though a foreign licensee could legally conduct such operations he would first have to have an FCC-issued reciprocal permit for such operation to be legal. As a reciprocal permit is not available to U.S. citizens (Part 97.101 provides for reciprocal operation only by alien Amateurs), a U.S. citizen thus must have a U.S. Amateur license to operate legally from a U.S. vessel!

The Earlier Letter had been written to WA4AIY in response to certain specific questions he had posed about maritime mobile operation, but has since been widely publicized in the Caribbean area as a general FCC policy statement. Because of this misunderstanding the follow-up letter, which will go to WA4AIY shortly, will cite all the applicable rules so there can be no further confusion over the FCC's intention to oversee U.S. Amateur operation on U.S. registered ships.

Regulations For Maritime Mobile operators on U.S. vessels are the same as those for operation from U.S. territory, so violators would be subject to such penalties as seizure of equipment, fines, or even imprisonment upon return to a U.S. port.

THE AMATEUR WHO THREATENED the FCC engineers who were investigating his possible jamming activities in Los Angeles last fall was indicted by a federal grand jury March 19. John W. Munson, Jr., K6EOA, was jailed for 20 days in October as a result of that incident (HRR 272, 274), but released when the U.S. attorney in the case decided not to proceed on felony charges against him at that time. The two-part indictment was handed down Wednesday after the grand jury heard transcripts of transmissions from K6EOA in which he allegedly said, "Hey, I wonder if I jam if I can get those guys to show up again," (after he'd refused FCC engineers a look at his station during a jamming investigation). "I'd like to shoot me a couple of feds." In another transmission he allegedly made a similar threat against another Amateur operator.

Munson Was Arraigned on Monday and now awaits setting of a court date. In the meantime he's reported still active on 2-meter

A SIGNIFICANT TOWER DECISION against the Seattle building department was won on February 29 by K7RI. The city hearing examiner decided, after a half day of testimony, that the building department incorrectly interpreted an ordinance which would have required K7RI to lower his tower from 45.17 to 35 feet.

In Her Decision, the hearing examiner suggested that the building department "consider zoning ordinance amendment to cover the technical requirements of this hobby, while protecting neighbors from interference caused by Amateur Radio transmission. Since there is likely to be more interference from low transmission structures where radio waves are down among the buildings, the current ordinance may need revision."

Five Expert Witnesses helped give the hearing examiner a "short course" on Amateur Radio: W7AUK, on the hobby in general; K7DYO on public service; W7PHO, on DX; W7DNY on tower types; and K7DBA, on antenna theory. K7RI testified on his own behalf, and he was represented by G. Lee Raaen (an ex-ham), with help from W1YY/7.

The Building Department Has 20 Days to file an appeal with the Superior Court. If no court action is taken, presumably the ordinance must be revised in line with the examiners' decision.

EXISTING CLUB, RACES, and Military Recreation Amateur licenses should probably be retained, the Commissioners agreed Wednesday at the Agenda meeting, but no new licenses of these classes should be issued in the future. During their deliberations the Commissioners weighed the alternatives of dropping the freeze on these licenses and accepting applications for new ones (too expensive) as well as doing away with them altogether. With only 611 RACES, 331 Military Recreation, and about 2000 club licenses currently in force, annual cost to the FCC was estimated at only $1600, not unreasonable for the benefits of continuing them.

Holders Of Current RACES, club, and Military Recreation licenses will be able to now modify as well as renew them when and if required. However, it's likely that there'll be provisions for a fee on club license processing in the Report and Order the Commission staff will be preparing.

FCC'S THREAT TO THE 220 MHZ band (HRR 288) has finally been erased! On Tuesday the Commission issued its third set of corrections on General Docket 80-1, which proposed a new communications system for the nation's inland waterways. This time — at last — the paragraph 26 reference to 216-225 MHz was changed to 216-220 MHz, as it probably should have been in the first place.

Just How Much Influence Amateur Radio's strong negative reaction to that reference — intentional or accidental — actually had may never be known, but it was surely a factor. With Amateur bands out of the docket, further formal comments by the Amateurs are not necessary.

CARLOS ROBERTS, FCC Personal Radio Bureau Chief, had a key role in the ARRL Long Range Planning Committee's meeting last weekend in Gaithersburg. Carlos told a dozen committee members and League officials that Amateur Radio suffers an "identity crisis" at the Commission, moving from its traditional role as technical innovators. Part of this could be communications, he added — many comparable groups are far more visible in Washington, and as a result are much more helpful to agencies like the FC

He Questioned Whether Amateur Radio should remain as it now is (and whether it could grow further or had reached saturation), become broader and take in more of the public, or more narrow and technical. He also touched on the pertinence of Morse code and other current technical qualifications, and commented that FCC enforcement efforts are not likely to increase so Amateur growth could heighten problems there. However, he noted, there are no good answers to the question of self-enforcement.

Throughout The Free-Wheeling 2½ hour session Carlos took no hard and fast position himself, and all involved felt the meeting had provided an important interchange of ideas.

REPEATER JAMMING IS A WORLD-WIDE phenomenon, as PY2BPH noted in a recent letter to WB6CQW of the Happy Flyers requesting DF information. The Sao Paulo repeater even has one jammer who has been playing old recorded Hitler speeches! Thanks Worldradio.

The English Also Suffer from the same problem, as any London visitor who has listened to the "squeekies" (so named for one persistent jammer who always speaks in a falsetto) on the GB3LO repeater can attest.

ACTIVITY WAS UP IN ARRL'S DX phone contest for some participants, not down as reported in last week's HR Report. OH2BH claims over 4200 contacts from his 15-meter effort, and two top East Coast multi-multis logged more than 6,000 contacts in this year's fray compared to about 4,000 last year.

THE BLOWN FUSE

MAY 1980

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
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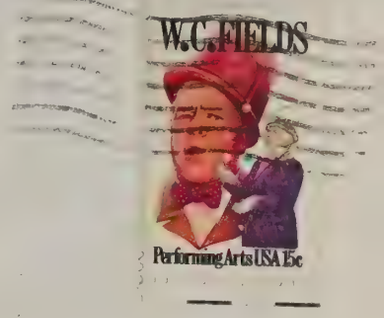
RICHMOND, CALIF. 94805

East Bay W.C.Fs Amateur Radio Club



POOL, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

EAST BAY S.E.T. SUCCESSFUL

Congrats. to all EBARC members who took part in the SET on April 19th.

Contra Costa County OES, Red Cross and State Health officials as well as Bill Meyer, our ARRL SEC, were unanimous that the recent SET was a vast improvement over last October's effort. So we're making good progress. Our club, along with excellent work by the 4 C's repeater club, covered ALL of the required public safety and medical emergency sites requested of us by County OES, in the West county area.

We are also very pleased to report that our cooperation with RICHMOND RADIO ALERT went very well indeed during the SET. They and our liason team did fine work.

We still have a lot to do though. We need more people to"get into the act", and get their "feet wet." Bill Meyer, for example, would like us to take Albany, Berkeley and possibly Emeryville under our wing as an ARES function. Without more people taking part in our emergency programs, we just can not provide that service to those communities, in addition to our Contra Costa County work.

The SET will be discussed in more detail during our next few meetings.

R.A.C.E.S. ID CARDS

Those of you who signed up for RACES at an earlier EBARC club meeting will be able to pick up your County OES "ID" cards at this month's meeting----see Dave Tyler. Most of the cards have arrived.

Be sure to put your thumb print or photo on the reverse side in the place marked for that purpose and then have the card laminated.

FUTURE S.E.T.'s

The next large scale SET is to be held in October, 1980. The exact date is not yet set.

Between now and then there may be one or two "mini SET's" in conjunction with local police and fire organizations. We'll keep you posted. If these come about they will be built around industrial accident scenarios rather than an earthquake.

2 MTRS --- 40 WATTS FOR FEW $$$

EBARC HAS A LINE ON SOME Motorola "solid state" rigs complete for about $50 each. We'll keep you posted, as we find out more.

ONLY ONE PER CALL SIGN. & NOT TO BE RESOLD.

hr REPORT . . .

AMATEURS WOULD NEED GIVE only their own calls when signing clear with another station, under a Notice of Proposed Rule Making released by the Commission Wednesday. Personal Radio Docket 80-136 would amend Part 97.84(a) of the rules to drop the present requirement, frequently ignored in contests and often overlooked at other times, that an Amateur sign clear with another station when ending a contact. With the proposed amendment, an Amateur station would need give only its own callsign at the beginning or end of each transmission or series of transmissions (and at 10 minute intervals, of course), with no need to send any other station's call at any time during a contact.

International Third Party traffic would provide the only exception to the proposed rules relaxation. International regulations do require both stations to send both callsigns when they are handling international third-party traffic.

Comments On PR Docket 80-136 are due at the Commission by July 16, and Reply Comments by August 15.

RELAXATION OF THE LINEAR amplifier ban was turned down again by the FCC as the Commissioners denied rule-making petitions by the Allegheny County Fire Radio Advisory Board and the Public Safety Communications Council. Both sought OKs for amplifiers to operate lower in frequency than the present 35 MHz cutoff, to be used to boost low-power hand-helds for mobile use. In its denial, the FCC said no evidence had been presented to show the desired amplifiers could not be modified for CB use, making them a source of interference the ban was supposed to eliminate.

CONVERSION OF CITIZENS BAND transceivers to 10 meters and other items of interest to Amateurs are discussed in an informative booklet available from Certified Communications. The booklet includes a cost guide, conversion clinic, guide to units that convert well, and a list of pitfalls. Send a 15¢ stamp to Certified Communications, 4138 South Ferris, Fremont, Michigan 49412.

MOUNT ST. HELENS VOLCANIC eruption has brought out Amateurs who are providing communications for both scientists and public services. The remote country surrounding the 9677-foot peak has little telephone service, so area Amateurs are supplementing heavily burdened state and local government radio links.

An Ash Gathering Experiment has also enlisted Amateur help, to provide frequent reports of wind-blown volcanic ash distribution.

National Publicity For Amateur Radio's emergency communications role was aired last weekend by NBC newsman Roy Neal, K6DUE, complete with taped 2-meter traffic. Thanks Westlink.

COMPLAINTS TO THE FCC ABOUT AMATEUR operations have tripled in the past year, and though the Amateur service is still considered to be probably the best in compliance of all the services administered by the Commission, this rapid increase signals a very alarming trend that shouldn't be allowed to continue. The increase lies principally in two areas; net operations on the hf bands, and on repeaters. In both areas the problem is mainly one of jamming, willful and deliberate interference, an area that's been widely publicized since Southern California Amateurs enlisted the aide of California Congressman James Corman last summer (HRR 265).

A Major Attack on the interference problem, concentrating in those two areas and likely enlisting the active aid of Amateur observers, is now being prepared within the FCC. Final details of the plan are now being worked out between the participating bureaus, and could be announced as soon as mid April.

UNUSUAL PROPAGATION EFFECTS are likely possibly extending over much of the earth, when a major barium injection experiment takes place in early June. Carried on the French Ariane rocket, which will also take the Phase III Amateur satellite into orbit when it's launched from French Guiana on May 23, the barium release experiment will take place at 30,000 miles above the earth, well above the ionosphere. Its purpose is to study plasma behavior in a vacuum, and the resulting celestial fireworks should be the most spectacular ever created by man and visible in the southeastern sky from all of the U.S.

"The Barium Cloud will momentarily push the earth's magnetic field out of the way," says University of California (Berkeley) physicist Forrest Mozer. "When the magnetic field comes rushing back in, atomic particles will be accelerated, producing a turbulent flow of plasma gas." Sunlight striking the particules will reflect first red, then blue, in a cigar-shaped cloud that could be visible for 10 minutes. An artificial aurora display may also follow the injection, making the visible display even more spectacular and providing additional propagation effects.

A Precise Date for the experiment has not yet been set, but it will be around the time of the new moon in early June. No plans have yet been announced for Amateur Radio propagation experiments, though some arrangements will surely be made.

NATIONAL AMATEUR RADIO ALLIANCE is a newly formed organization "to protect the interests of today's Radio Amateur" and "take an active role in adding new legislation for the benefit of the hobby." The first stated priority of the new group will be to hire a "full-time Washington lobbyist" to handle Amateur Radio matters, and retain a Washington attorney with an Amateur Radio background, according to its press release.

The NARA Has Launched a recruiting drive; its stated goal is 35,000 members before July at $10 a year. It will be putting out a monthly bulletin covering FCC matters and impartial equipment reviews. For details write the NARA at 40 Deerfield Dr., Easton, CT 06612, or call Robert Stankus, N1AAR, (203) 261-4434.

Many Amateurs Will probably remember Bob better under his former calls, W1GEY and W2VCZ. Under the latter call he had a business back in New Jersey modifying Collins 75A4 receivers, before running into delivery problems in the mid 1960s.

ALMOST HALF THE AMATEUR VIOLATIONS for which citations were sent during a recent six-month period were for operation outside the authorized subband, according to an FCC review for HR Report. Next most frequent violation was failure to transmit required ID, almost 20%. Total violations observed, however, was only 192.

BREWER LABS, RECENTLY SHUT DOWN by the FCC for manufacturing and marketing linears for 11 meters, has been slapped with a permanent injunction against continued marketing of RF power amplifiers and amplifier kits by the court of the Eastern District of Oklahoma. In its injunction the court also included Brewer's "CW transmitters," which can be quickly converted to CB amplifiers.

Such Devices Continue to pop up, however. D and A Manufacturing in Nebraska even had a 140 W, 20-meter, Novice(!) CW transmitter in their line, and Tennessee Electronics in Memphis lists about three dozen linears from 30 to 5000 watts in its current inventory. FCC continues its efforts to shut down the outlaw manufacturers and distributors, so Amateurs who receive mailings from such outfits should send them to John Reed, Room 7202, FCC, Washington, D.C. 20554.

MAY 9 MEETING NOTICE
7:30 PM At Salvation Army Center
36th & Rheem, Richmond, Ca.
SPEAKER: Cameron Ogan, W6VVC
From Santa Fe Railroad. Topic, Modern Railway Communications with display of equipment.

THIS WILL BE A VERY INTERESTING TOPIC AND DISPLAY, DON'T MISS IT!

Also a summary of SET operations by Dave Tyler, deduced from the critique held at the Oakland Red Cross after the SET Drill.

CONGRATS DEPT.
Hearty congrats to Rev. 'Gordy' Speak, now KA6KQE. Be looking for you on the air, 'Gordy'.

PROGRESS ON STATION SET-UP
Les Bodin, W6JKY, Lew Lewellen, WA6JSO, Steve Dodge, K6ZR and Chas Henry, W6EJA made like remodelling carpenters and whacked a few inches off the side of the wooden cabinet to make it fit the allotted space and still leave room for the club's 6 meter, 6 ft relay rack cabinet. Next step-getting the gear operation. Need ideas and gear (parts and what have you) for a better means of flexible frequency control for both transmitter and receiver so we wont be just two channel, rock-bound. Let's hear from you on this.

SUMMER IS HERE. And FIELD DAY is next. Joe Lee, WB6DOB is chairman, but he can't do it alone! This is an 'allhands on deck' call. Let's give this a good going over this Friday. FD will be at Golden Gate Fields racetrack, as last year.

TECH-GENERAL CLASS WINDS UP
The class at CCC sponsored by our club and taught by Steve Dodge K6ZR winds up next week with about 18 finishers- out of 30 starts. It is hoped to repeat sometime in the fall.

THE BLOWN FUSE

JUNE 1980

East Bay WCFS Amateur Radio Club

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c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE.
RICHMOND, CALIF. 94805

Returned for Postage

POOL, Morrie
7315 Eureka St.
El Cerrito, Ca. 94530

COMING EVENTS

June Meeting: Field Day Planning also short technical talk.

July & August (order to be determined.) On one day, in lieu of regular Friday meeting, a DAYTIME Saturday field trip to the Coast Guard Ship Traffic Control tower at Treasure Island--a fascinating look at some remarkable radar.

The other month will be our annual picnic. Details at the June meeting Friday June 13. Salvation Army HQTRS.

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Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

AMATEUR RADIO COMMUNICATIONS is deeply involved in the aftermath of the eruption of Washington state's Mt. St. Helens volcano last Sunday. First word of the disastrous explosion that blew several thousand feet off the mountain's top at 8:31 local time last Sunday morning came from an Amateur whose camper was on the mountain's slope. After describing the beginning eruption, he ended his transmission with, "I'm getting the hell out of here!" He, along with two other Amateurs and about 70 others, has been unaccounted for since.

About 200 Amateurs, half of them in locations near the eruption or working directly with rescue crews as search and welfare observers and the other half serving at various key locations around the state, have been working around the clock since the volcano blew. Many are involved in sample gathering and prediction work, an activity that has gone on since the initial eruption on March 27 (HRR 298), as well as handling all kinds of traffic for various local, state and federal agencies. One of the things learned from the earlier eruption was the discovery that Amateur Radio was more effective than the telephone for handling much of this traffic, so area operators and the people they're working with were better prepared to work together this time.

3987 Is The Principal emergency channel, working into the State Department of Emergency Services in Olympia. 7295 is the regional net tying together Amateurs in Washington, Oregon and Idaho, with 3900 the prime health and welfare channel. The Red Cross is using 3930 for its health and welfare traffic. 2 meters is getting a heavy workout, with the 147.66/06 Mt. Baw Far machine anchoring VHF operations.

Unusual Propagation Effects were observed in the aftermath of the eruption. At about noon, three hours after the initial blast, signals on the 75-meter emergency nets began to exhibit a series of deep, rapid fades. Levels varied by as much as 40 dB, with fixed stations sounding like mobiles in motion. Severe electrical disturbances also accompanied the eruption, with continuous lightning flashes illuminating the clouds spewing from the volcano and driving noise levels up sharply across the spectrum.

Amateur Radio's Communications contribution during the emergency has received excellent media coverage. TV and radio stations have been seeking Amateur assistance for their newscasts, and the opening of another cross-state 75-meter emergency communications link on Wednesday was taped for that evening's news. NBC's Alan Kaul, W6RCL, recently in Iran, is one of the many on the scene for the networks. The FCC's Seattle Field Office has also been working closely with area Amateurs, offering any assistance it could to the Amateur Radio communications effort. Thanks W7CKZ.

FM SUB-BAND ON 6 METERS WAS ELIMINATED by the FCC in a Report and Order on PR Docket 79-285, approved Thursday. Noting the wide diversity of opinion among those filing comments on its last-November proposal, the Commission decided to opt for "deregulation" and let the Amateur fraternity establish its own usage pattern for 50.1-54 MHz operation. 50.0-50.1 remains CW only. Effective date for the rules change has yet to be set.

A SPANISH-LANGUAGE AMATEUR EXAM is now available, though only for Technician/General applicants who don't already have a Novice ticket. The applicant must first pass the CW exam (in English), then ask for the Spanish-language Element 2/3 exam. Other class exams are not available in Spanish at this time.

AMSAT'S PHASE III SATELITTE WAS LOST Friday when one of the four Viking rocket engines on the French Ariane launch vehicle lost power just after liftoff, sending it into the Atlantic. Liftoff was at 1429:42Z, a few seconds before the Friday launch window closed, following a countdown delayed by rain and minor technical difficulties. After the launch, the on-board computer was unable to hold course because of uneven thrust, and only a minute or so into the flight the Ariane exploded from either fuel tank rupture or range officer command. Amateurs throughout the world heard the sad event unfold via the ALINS net on 10, 15, and 20.

About $150,000 And Thousands of hours worth of work by Amateurs in many countries is now on the ocean bottom, along with the "Firewheel" experiment (HRR 299). Phase III was not insured, because companies won't write such insurance until after the launch vehicle has four successful flights. This was Ariane's second flight. Fortunately, a duplicate Phase III structure had been built and, along with a full set of solar panels, circuit board art, software and circuit design, is available for another Amateur satellite. One could probably be assembled in less than a year.

Finding A New Launch opportunity is a major problem facing the Amateur space community. The European Space Agency is one good possibility, though this failure may set back their schedule for regular Ariane launches in 1981. The U.S. Space Shuttle is a possibility, though it's also behind schedule. Other possibilities will surely come along, but when is impossible to predict. Until a commitment is firmed up another Amateur spacecraft can't be completed, because it must be tailored to the launch vehicle's needs.

Last Friday Evening a number of AMSAT members and other interested Amateurs met on 3850 for the Phase-III Progress Net. A "wake" had been expected, but the post-mortem turned into an unprecedented outpouring of warm support for continuation of the Amateur satellite program. Over 100 stations, including many of the principal participants in Phase III's construction, checked in with NCS W3IWI. Many AMSAT members and non members pledged their support, both financial and logistical, during the session, and the resulting round table lasted late into the night.

What Is Most Needed Now is money, to replenish the depleted treasury and to insure the next launch opportunity can be supported when it's offered. Some Life Members have pledged "renewal" of their $100 memberships (going to $200 July 1), and contribution checks began arriving at AMSAT Tuesday. Amateur Electronic Supply in Milwaukee, Ham Radio Center in St. Louis, and the Ham Radio Publishing Group have each pledged $1,000, and other manufacturers and distributors are expected to follow. Send contributions or memberships ($10 annual) to AMSAT, Box 27, Washington, D.C. 20044.

ADDING NEW WARC FREQUENCIES to Part 97 of the FCC's rules has been proposed in a Petition for Rule Making recently filed with the Commission by KB9FO. It's been assigned RM-3664.

Elimination Of AM for voice communications on all Amateur bands is proposed in another petition, RM-3665, filed by N1AAR.

Letting Extra Class Licensees select from the available K- or Wx3 callsigns has also been proposed in a petition filed by AC4B. It has been assigned RM-3656.

Comments On All Three petitions must be filed with the FCC by June 20, with a copy to the petitioner.

FCC'S NEW AMATEUR EXAMS will go into use in all Field Offices on their first regular examination day after June 1. Prospects planning to take the exam after June 1 should be using the new FCC Study Guides, published in April Ham Radio and Ham Radio Horizons and recent issues of most other Amateur magazines.

AMATEUR FM AND REPEATER operation in all phases is covered in great detail in what has to be the biggest (538 pages) and most comprehensive book on the subject yet published. In spite of generally muddy photos and too many typos, The Practical Handbook of Amateur Radio FM & Repeaters by Westlink owner/producer Bill Pasternak, WA6ITF, with Mike Morris, WA6ILQ, is a must for FMers on 10 meters through microwave. It's $9.95 from the Ham Radio Bookstore or other TAB Books outlets.

KALAMAZOO'S KILLER TORNADOS brought out a number of well-run Amateur Radio communications operations across the spectrum from 3.5 to 148 MHz. Seventy-five and two meters carried the bulk of the emergency-generated traffic after a rush-hour series of twisters touched down in nearby Van Buren County, where 250 were left homeless. In downtown Kalamazoo, five were killed and hundreds injured. Power and telephones in much of the city and surrounding areas were knocked out.

The Great Lakes Traffic Net on 3932 was busy through the night and most of Wednesday with both emergency and health-and-welfare traffic. 3953 and 7240 also were in use as backup. On 2 meters Kalamazoo's WR8ABI on 146.19-79 was tied into Red Cross headquarters through K8OGB, providing a conduit for shorter haul communications. Two-meter simplex and the 147.96-36 repeater also carried local disaster traffic. Many long-haul messages were handled on 20 meters, with Kalamazoo stations checking into the 14313 maritime mobile and 14332 YL nets on the hour and half hour respectively for incoming traffic for Kalamazoo residents.

By Late Wednesday afternoon telephone service and power had been restored to most undamaged areas. With State Police and other relief organizations in place, the need for Amateur Radio assistance lessened considerably. However, at press time some health and welfare traffic continued on 3932 and it's likely that some Amateur Radio traffic will continue to be handled on various frequencies into the weekend.

One Kalamazoo Amateur could owe his life to Amateur Radio. After hearing funnel clouds announced over an area repeater he left his business to race home, to an area bypassed by twisters. When he returned to his shop, however, it had been flattened! Other area Amateurs reported antennas down and structural damage, but most were able to get on and assist in the emergency.

AIR-TO-AIR FAST-SCAN ATV is a first claimed by ATV Magazine publisher KB9FO and two California Amateurs. KB9FO in his Cessna 150 (newly registered as N73TV) and W6ORG and WB6BAP in their Cherokee Arrow worked each other late last month for about an hour while circling over Boulder Dam in southern Nevada. Henry also logged about 50 airborne ATV contacts with ground stations flying from Nevada to Washington, D.C.

BRITAIN WILL HAVE A CB service shortly, as the Home Office announced last week that it will relax its long-standing objections to establishing a Citizens Radio Service. When the new service will begin is uncertain, however, as the 27-MHz band is used in Britain for hospital paging — so another frequency range will have to be found.

Though Britain Has Prohibited the use of CB radios, there are an estimated 50-60,000 CBers active in the British Isles, 10,000 of them in London alone. Illegal CB operators have caused real problems to some Amateurs. During his visit to London last month, HR Report Editor W9JUV was told "horror stories," by several stations he worked on 2 meters, about Amateurs whose cars had been confiscated and one Amateur who was even jailed by over-zealous bobbies who were convinced the Amateurs were actually illegal CBers.

8941 AMERICAN and 396 CANADIAN AMATEURS, selected at random, have received a questionnaire from Florida State University under contract with the ARRL and the Long Range Planning Committee. The 36-question survey is designed to gather information about Amateurs, their operating preferences, opinions, and demographics, to plan for the future of Amateur Radio. Thanks CRRL Newsletter.

ARRL MEMBERSHIP CLIMBED over 3000 in the past month, reversing the decline that began after last spring's dues increase. League membership had shown a slight increase after the first of the year, but the real spurt began just after their new membership drive was launched a little over a month ago.

SERVICE MANUALS for nearly all vintage radios and TVs are available from Antique Radio Services. For information write them Attn. Hartford Beitman, 646 Kenilworth Terrace, Kenilworth, IL 60043.

BOARD MEETING REPORT (Meeting held Wed. June 4 at Muriel Hunter's home, and thanks again to her for her continued hospitality in being hostess to our Board Meetings. Muriel keeps her WD6FRP call active on the air.

The treasurers report showed a downward trend in club finances which needs to be arrested. As we all know, all costs are up, prin ting, insurance, etc., but rather than raise membership fees (which would do little to help at this immediate time, -but will probably have to come to pass next year) it was decided to establish a'coffee kitty'. Your guests could be 'on the house', but since our refreshments have run approximately $25 per month. Our raffle income has about covered them but there was strong sentiment to have some better prizes--not be entirely dependent on 'surplus donations', and further recognizing that the club must shortly lay out some money for needed items for the new station going in at the Salvation Army HQ where we meet, that the raffle money should cover some prizes and build a kitty for club station necessities. Hence our supporting of the 'coffee kitty' should make this possible.

A firm schedule of Board Meetings was voted--the 4th Wednesday of each month and for the time being continuing at Muriels, 902 Indian Rock Ave, Berkeley. Members are urged to attend and add to the input on the many matters which the board must consider.

FIELD DAY is set for June 28-29 at Golden Gate Fields. Full details and planning at June 13 meeting. Let's all get active in the field day effort. It's one of the most important activities of amateur radio. Plan to be there and share in the fun.

CONGRATS DEPT. Welcome back to the airwaves with a new call to Anna Nicholson, now KA6KZH. Good going Anna!

STATION PROGRESS REPORT.

Thanks to Les Bodin and Lew Lewellen again for cutting down the second cabinet and getting it hiked up into place a-top the No. 1 cabinet. Thanks to Rod Rodriguez for getting keys made for the locks. Also to Leo Lewis who volunteered shelf stock stock so that we can get the upper cabinet into use for club gear stowage.

Capt. Smith of Salvation Army is keenly interested in having a Novice Class run at the club HQ for some of his group and for others who will join. Class will be scheduled for July - possibly into August. Two or three assisting instructors needed for a couple of evenings each. Let Mickey (pres) know if you can help.

Dave Tyler kindly offered use of a 40 channel CB for experimenting with a frequency source (driver) for the club's Motorola rig at the SA HQTRS.

By the kindness of two members of the Oakland Yacht Club, Bob Howell and Doug Silva, the club is acquiring tow marine low band tranceivers, suitable to put on either 160 mtrs or 80 mtrs with very little effort. Anyone interested let Steve Dodge know.

Next step for the station is an antenna raising party. We need to put up about 5 different antennas, low band, 2 mtrs , 6 mtrs, general purpose random length and a receiving antenna. Let's get these up right away so we can get operational.

MORE HR REPORTS

FCC'S SPECTRUM USAGE PHILOSOPHY under Chairman Ferris seems likely to rekindle the CB vs. Amateur numbers argument of recent years. In a March speech to a land mobile communications group, the Chairman reminded his listeners of Commission principles from the 1940s that "...gave priority in spectrum allocation to those services that proposed to render benefits to the largest number of people. This is one principle the Commission appears not to have adhered to very scrupulously, given the disparity in bandwidth assigned to Amateur Radio as compared with CB."

Commenting On Ferris' speech, "Industrial Communications" said it convinced the land mobile people "that their chances for a favorable regulatory environment at the Commission under his leadership are not as bad as they had thought; they are worse."

THE BLOWN FUSE

JULY 1980

East Bay WBUS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE.
RICHMOND, CALIF. 94805

POOL, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

COMING EVENTS !!!!!

July - NO regular Friday Night Meeting. (NO) INSTEAD a Saturday afternoon tour of Coast Guard RADAR Control Center on Treasure Island, also the Search and Rescue Control Center. We meet at Salvation Army HQ-Richmond (regular meeting place at NOON, Sat. 12th. We leave there at 1 PM SHARP for TI. This will be a very interesting trip. COME!!

August - Probably Aug. 9 (to be confirmed) Probably at Live Oak Park - Berkeley (same as last year, but to be confirmed.)

EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

The EAST BAY AMATEUR RADIO CLUB meets the Second Friday of each month at the Salvation Army Center. 36th & Rheem, Richmond 7:30 PM

Officers: (1980)

Pres.	Mickey Khaler	WD6FYF	232-0194
1st V.P.	Dave Tyler		524-3715
2nd V.P.	Don Waits	WD6DLR	529-1785
3rd V.P.	Bill McCarty	WD6ETU	223-6056
Sec'y	Muriel Hunter	WD6FRP	524-3128
Treas.	Peter Annas		527-5804
Editor.	Steve Dodge	K6ZR	233-5833
CCRC Rep.	Les Bodin	W6JKY	632-3707
CCRC Rep.	Sid Lagorio	WA6JGZ	526-8604

Directors:

Grant Calhoun	N6XP	233-0566
Frank Taylor	WA6VBV	234-0771
'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

COAST GUARD TOUR IS ON!

This month's club meeting will be a tour of two U.S. Coast Guard facilities. One will be a tour of the RADAR directed ship traffic control center. The other will be a tour of the Search and Rescue Coordination Center. Both facilities are located on the Treasure Island-Yerba Buena complex.

The tours are scheduledfor the afternoon of July 12th, a Saturday. Members wishing to join us on this excursion should be at the club headquarters, the Salvation Army Bldg. at 36th & Rheem in Richmond, at NOON on Saturday, 12 July.

To save on gas we will form car pools at club HQ before departing for the tours.

Those who have them should bring 2 meter HandHelds so we can communicate enroute. Hopefully, then we won't lose anyone on the way.

Speaking of 2 meter rigs.....

SURPLUS MOTOROLA 2 METER RIGS NOW AVAILABLE FOR PURCHASE AT $63.60 +

The Santa Fe Railroad has made a limited number of Motorola HHT & MHT MOTRAC's available to this club for purchase by our members. The price is $50.00 each + $10.00 packing & crating charge + $3.60 Sales Tax. or $63.60. There will also be a freight charge from Topeka Kansas where they are wharehoused.

These rigs are NBFM, one or two channel units (we don't know which) are presently on High Band VHF with xtals removed. They are complete with mike,speaker controlhead & mounting brackets. They are 12 VDC. Nom. 35 Watts.

Those interested in acquiring these units should provide their names and complete addresses to Dave Tyler, P.O. Box 6017, Albany, CA 94706; (415) 525-6200 as soon as possible!! FIRST COME,FIRST SERVED!

Santa Fe will then prepare supplementary sales documents which you must sign and have notarized. Dave will handle the mechanics of this But, YOU MUST ACT NOW if you want in on this really good deal for beefing up our 2 meter capabilities.

THANK YOU DEPT. Thanks to Leo Lewis, we now have shelf stock for the clubs cabinets at Salvation Army.

FIELD DAY

The 1980 Field Day was not the longest and strongest suit ever played by EBARC. However, those who were able to make it had an enjoyable time while there. The weather was perfect--so it would have been a favorable year for a top turn-out, but too few of our ops were able to stay it out, with the result that we closed down late Saturday afternoon and did not operate Sunday at all. A maximum of five units were operating. Paul Zeppa, KB6XM, swung up a Delta Loop, and with his excellent operating skill and helped by his memory bank keyer, was knockig them off 1 per minute for extended periods. Sam Darrett N6ALE had his trusty Hallicrafters going on 40, mostly and had some help at the key from Steve Dodge K6ZR, and Norm Buell, W6SJH. Joe Lee WB6DOB, had his Yaesu and also his 'exercycle' pedal powered QRP rig, and made a qualifying number of contacts with it. Carl Clark did noble duty with his ATLAS (WA6KTL of course) until s mismatch problem shut him down. Frank Taylor ran his mobile 2 mtr rig (WA6VBV).

Others who made the day and deserve much credit are Les Bodin W6JKY who had his new generator in beautiful shape, and it ran faultlessly. He even had a spare, which by good fortune we didn't need to use. Lew Lewellen, WA6JSO, did a great job in using his pick-up to haul the gear from Albany to the site, and return haul it, and also took the generators under his wing at our prematurely early close-down. Tony Hirth, WB6QGJ bore a hand with antenna erection, along with several others including Leo Lewis WA6ZFV, and Bill McCarty WD6ETU and others, too, no intention to slight them by not specifically mentioning names, but Ed. notes don't name all who were active at that phase. Thanks to Yosh Nakamura, WB6QKS for bringing the 'goodie' eats-turnovers that his the spot. Thanks to Fred Sims for supplying gas for the generator. We logged about 20 club members present and 7 outside visitors. We received both advance and follow up publicity in the Albany Times and related papers. Other members not mentioned above who attended included: Don Waits WD6DLR, Verne Orme KA6EUC, Gordo Parsons, Ted Culliver, Dave Tyler. Other visitors, Bill Campbell W6OHX, Jim Johnson K6APW, Ed & Robt Marshall, Larry Drouin WA6UHO, M.K.Brock K6ZJL, Dave Bacom WA6TPJ. Glad to see you, gentlemen !

CLUB RECEIVES GIFT MARINE BAND XMTRS.

EBARC is the recipient of two gift Marine Band (2-3 MHz) transceivers. one and APelco, 6 channel, and the other an RCA 6 channel. Both are crystal control intended for double sideband AM voice modulation. But they can be converted to CW quite easily, and will tune 160 or 80 mtrs ' as is '. Vertical antennas are available withe them. The RCA is made for 32 volt operation (dynamotor supply) but a simple 110 AC supply can be made up inexpensively. They can be used in the club's education program. Or if you are interested get in touch with Steve Dodge K6ZR, club trustee. Thanks to Doug Silva and Robt Howell of Oakland Yacht Club for these units.

THANK YOUs

Our thanks (if belatedly) to Dave Russell and Yosh Nakamura for cash donations of $10 each, which will go for needed items for the club station at the Salvation Army HQ.

Thanks also for'coffee kitty' support. This will help our declining financial position and should assure our contnuing a good bulletin and proceding with the station plans.

HR REPORT . . .

A NEW COMMUNICATIONS ACT REWRITE bill, S-2827, has been introduced in the Senate by the Senate Communications Subcommittee. Combining the better and less controversial ideas of the previous rewrite proposals (S-611 and S-622), the new bill includes the 10-year license term, authorizes the FCC to require TVI rejection standards for TV receivers, and—most important—gives the FCC authority to delegate license examination authority to nonemployees.

The Full Text Of S-2827 appears in the June 13 issue of the Congressional Record. Because of the very pro-Amateur-Radio aspects of this revised bill, Amateurs are again urged to write their Senators and Representatives as well as the Subcommittee Chairman, Sen. Ernest F. Hollings (D., South Carolina), and minority leader, Sen. Barry Goldwater. A complete list of the Senate Committee members who are directly concerned with S-2827 appears in the May, 1980, QST editorial. Some Washington observers believe that, with sufficient public support, S-2827 has a good chance of being passed by Congress this year.

SSTV AND FACSIMILE WOULD BE permitted on all Amateur voice frequencies above 3775 kHz, under a Notice of Proposed Rule Making adopted by the Commission June 3 and released this week. Personal Radio Docket 80-252 proposes dropping the present subband restrictions on SSTV, meaning that Generals as well as Advanced and Extra class licensees would be able to use that mode on 80 through 15 meters. Facsimile would be permitted on the same frequencies thus opened to SSTV. 160 was not included in the NPRM at this time, as that band is still shared with Loran, Amateur Radio being a secondary user through 1981. Under the proposed rules change, bandwidth for either mode would be limited to SSB bandwidths below 50 MHz, and to AM bandwidths above.

Comment Due Date for PR Docket 80-252 is September 22, with Reply Comments due October 22.

THE MOUNT ST. HELENS volcanic eruption death toll now includes two Amateurs among the confirmed dead, Gerald Morton, W6TQF, and Reid Blackburn, KA7AMF. Thanks W7CKZ via Westlink.

A NEW FCC APPROACH TO JAMMERS, referenced in HR Report 295, is still being actively considered within the Commission. Based on a proposal made by the ARRL back in March, the plan involves Amateur assistance to the FCC's enforcement efforts in cases of malicious interference. It's been the subject of several meetings between the FCC's Field and Private Radio Bureaus and the Office of the General Counsel.

A Principal Question is the legality of any such cooperative type program, since there are laws severely limiting government use of volunteer help. The General Counsel's Office is paying particular attention to this problem, while all three groups are reviewing the idea. At this time there's no indication when a decision on whether to proceed will be made.

MILITARY USE OF AMATEUR and broadcast as backup communications links during an all-out war situation is proposed in the June 23 issue of Aviation Week. Noting Amateur Radio's excellent performance record during natural disasters, the author of "U.S. Seeking Better Command Control Survivability" says his department plans to study a number of alternatives to the established military communications links for possible use. Thanks WA2LQQ.

THE 1979 ARRL ANNUAL REPORT is now out, and its 94 pages include a great deal of information about last year's happenings in both Amateur Radio in general and the League in particular. A highly recommended source for answers to almost all those "unanswered" questions about the League and its operation, it is available from the League for $1 postpaid.

THE NEW "ARRL OPERATING MANUAL," an updated and considerably expanded version of the "ARRL Operating Guide," came out this week. Its 160 pages (up from 128) includes new sections on rules and regulations, microcomputers and SWLing, separate chapters on emergency communications and traffic handling, and considerably expanded beginner and DX-chasing chapters. It's $5 from the Ham Radio Bookstore, ARRL or other ARRL publications outlets.

SPREAD SPECTRUM, a wideband modulation technique, is reported by the AMRAD Newsletter to be under consideration by the FCC for Amateur experimental work. Using spread spectrum techniques, a station can operate on frequency bands occupied by other stations using conventional modulation without interference to either.

A Special Temporary Authorization would be necessary before such experimentation could be undertaken, and some members of AMRAD are interested in setting up an experimental project using spread spectrum. Amateurs interested in participating should get in touch with W4RI at (703) 356-8918.

FCC'S NEW EXAMS SCORED AN "A" with the first group of applicants who took them this week. According to instructors from several parts of the country, their students rated the new FCC efforts well written, unambiguous, and closely related to the new FCC study guides. They also liked the practical emphasis on operating procedures in the Technician/General-class exams, with more technical subjects covered in the higher class tests. Congratulations to Jay Jackson, AF4O, and the other FCC staff members who are responsible for the new exams. Thanks WB6NOA.

CB-TO-10-METER TRANSCEIVER CONVERSION and other items of interest to Amateurs are discussed in a booklet from Certified Communications. The booklet lists a cost guide, conversion clinic, a guide to units that convert well, and a list of pitfalls. For a copy send a 15-cent stamp to Certified Communications, 4138 S. Ferris, Fremont, MI 49412. Thanks NOFARS Balanced Modulator.

THE DM-81 "DIP METER" is a new instrument from Kenwood shown for the first time at Dayton. The compact battery-powered device features both inductive and capacitive probes, can be used for crystal checking, has internal modulation, and covers 700 kHz to 250 MHz in seven ranges. It will be available by late spring.

Kenwood's New 25-Watt synthesized 2-meter rig, the TR-7800 (HRR 295), has been priced at $399.95. First shipments should be going to dealers this week.

THE ANNUAL SIMULATED EMERGENCY Test has been rescheduled from early October to the third weekend in October, this year the 18th and 19th. This adjustment avoids conflicts with several other early October events and with the Canadian Thanksgiving celebration. Individual groups may, of course, hold their SETs on any two-day period between September 1 and October 31.

GENERAL MOTORS HAS been granted an FCC license to build and operate an experimental radio station, KF2XHE, on various discrete frequencies between 1.8 and 470 MHz. It's to be used to determine the susceptibility of automotive electronic systems to electromagnetic radiation, an area in which Amateur Radio has caused problems with poorly designed electronic ignition and braking.

CB IS BACK where it was five years ago, before the gas shortage and TV publicity triggered the big CB boom. Current license statistics show CB applications (69,000 in March) running at just the same rate they were five years ago, and only 17% of those whose CB licenses are expiring are bothering to renew them.

ROCKIES-BOUND VACATIONERS will find KØOST's 1980 Colorado Area FM/Repeater Directory a useful aid. Frequency listings and coverage maps for Colorado and eight bordering states plus the Texas panhandle area are included. It's $1 from Jim Labo, Box 842, Denver, Colorado 80201.

A NORTHWEST REPEATER LIST, covering 2-meter machines in Oregon, Washington, Idaho, Montana, and British Columbia is now available from the Oregon Region Relay Council. Send an SASE to ORRC, P.O. Box 5088, Aloha, Oregon 97006 for a copy.

PERHAPS THE FIRST AMATEUR COLOR TV signals between Canada and England have been sent from VE3KIF to G3NOX, a 3,500-mile path, on 29.150 MHz. The contact was so good that G3NOX recorded the SSTV signals, sent them back to VE3KIF, who, for good measure, retransmitted them. Thanks CARF News Service.

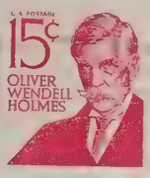
THE U.S. AMATEUR POPULATION reached an all-time high at the end of May—372,958—up almost 3,000 from the end of April.

THE BLOWN FUSE

AUGUST 1980

East Bay WEBS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE
RICHMOND, CALIF. 94805

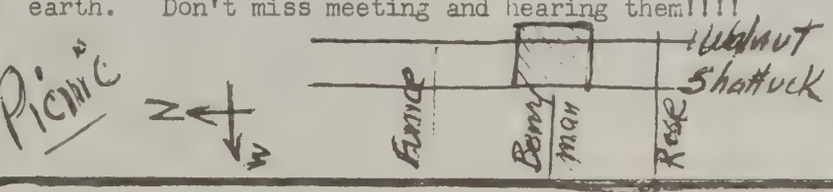


POOL, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

COMING EVENTS

PICNIC - PICNIC - PICNIC WHEN ? Sat. Aug 9. 11:30AM
The picnic is in lieu of our regular Friday night meeting. No meeting Friday night. WHERE? At Live Oak Park, Berkeley, Area #2, (Above the bridge) Pot luck and Dutch treat. SEE YOU THERE!!!!!!!!!

SEPT.12 Bill Stevens , W6ZM (ARRL PAC.DIV.DIRECTOR)
and Bob Smithwick, W6JZU(ARRL " " VICE DIR.
will bring us their usual interesting and timely report on ARRL actions, which are so important to our continued enjoyment of the grea test hobby on earth. Don't miss meeting and hearing them!!!!



EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

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7:30 PM

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'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

FCC'S AMATEUR EXAM PASS RATE has been climbing steadily in recent months, after having remained fairly constant for years, a current FCC analysis of Field Office reports shows. Recently available study materials containing exact exam questions and answers is the only apparent reason for the shift, which is the cause of concern in both FCC and Amateur circles. There is considerable feeling that the increased pass rates are due mainly to memorization rather than understanding, which would result in unqualified applicants receiving Amateur licenses and the license itself being cheapened as a result.

The New Exams That Came into use in June should at least temporarily curb the problem. If, however, the West Coast publisher who's been selling the question-and-answer sheets gets the new exams, a considerable investment of time and taxpayers' money will have gone for nought. The FCC's rules apparently have no provisions for protecting the security of its examinations. **HR REPORT**

LAST CHANCE TO SIGN-UP FOR SURPLUS 2-MTR MOTOROLA RIGS!

Club members who have not done so, should ACT NOW, if they wish to take part in the special purchase arranged thru Santa Fe Railroad of surplus Motorola HHT & MHT Motrac transceivers which are readily converted to 2 meter operation.

The units are 12 VDC powered and have a nominal 35 Watts input to the final. They are hybrid--all solid-state except for the driver and final which are ruggedized tubes (6146 type). They are one or two channel sets, these radios come complete with mike, controlhead, speaker and mounting brackets.

Unit price, less freight, is $63.60 and all the sets must be ordered at the same time.

And, yes, your club has also found a source of replacement tubes for those rigs! Moreover,if you're part of the club's emergency radio program (ARES/RACES) we can get them for you FREE!! (The tubes, not the radios) And, we can also get manuals for them.
SO, If you are interested, please let Dave Tyler know, preferably in writing, by August 15th, which is the DEADLINE. WRITE: P. O. Box 6017, Albany, CA 94706

JULY 12 VISIT TO COAST GUARD 'FB'

About 20 club members got a close-up view of the action and radar pix of the bay and ship traffic system. Also the Search and Rescue center. All who attended agreed it was an interesting experience, with beautiful weather thrown in. The real 'push' for this facility came as a result of the disastrous collision of two tankers almost under the Golden Gate Bridge a few years back. Hopefully such a event will be avoided in the future by reason of the RADAR watch and substantially improved communication facilities.

CLUB STATION PROGRESS

The shelving is now in place in both cabinets, locks on the doors, and we're ready to install gear. Next step is to install antennas. Can you give us a hand? Speak to, or call, Steve Dodge, K6ZR or Les Bodin, W6JKY, or 'Rod' Rodriguez, WB6NAH. We should get these up and some rigs 'on stream' before the mini-SET later this month. Please give us a hand with this.

NOVICE CLASS STARTS.

A novice class will run each Tuesday night in August, startin Aug. 5. at the Salvation Army Center. Please advise anyone you know who has expressed an interest in getting into Ham Radio. Here's where to start. The TIME? 7:30 PM, Tuesdays.

MDARC (MOUNT DIABLO AMATEUR RADIO CLUB) Field Day Record??

Our hearty congratulations to the Mt. Diable A. R. C.for the splendid effort they put into Field Day. Setting up atop Mt. Diablo with 5 beams, and all QRP rigs - which give great multipliers - we understand the racked up about 22,000 points. This may be a new worlds record! Last year they had about 19000 points and just missed out by a small number of points. We hope they get the trophy when the full count is in.

A LAW PROHIBITING "INTERFERENCE by Radio Transmitter" has been enacted by the Township of Winslow, New Jersey, in the aftermath of TVI/RFI problems experienced by a local Amateur, WB2SZK. Just over a year ago a neighbor complained of TVI plus interference to his stereo, electronic organ, and intercom. Stubs cured the TVI problem, but filters were only partially effective on the other equipment. WB2SZK, after urging the neighbor to seek manufacturer's help with the remaining problems, was summoned to court in November for violation of a township nuisance ordinance and ordered to stay off the air for 30 days pending FCC inspection. When he refused, he was fined $250 and costs.

The FCC's Inspection in early December gave WB2SZK a clean bill of health, and the complainants were so advised. On December 19 the township then adopted a new ordinance, Chapter 50-10.2, that makes it unlawful to transmit any radio signal that"...causes or creates electrical, visual or audible interference..." or "... annoys, disturbs or endangers the comfort, repose, health, peace, safety or general well being of others within the Township." Any interference with "...receiving sets, musical instruments, phonographs or other machine..." is included under the ordinance's omnibus coverage.

WB2SZK Was Again Summoned for hearing, this time under the new ordinance, in February. On his request the FCC submitted a 1977 Public Notice citing federal preemption of the control of radio transmissions to township officials, but to no avail. His attorney was able to obtain an interim injunction from the New Jersey Superior Court halting prosecution under the new ordinance, but at a May 2 hearing the Superior Court judge upheld the township ordinance on the grounds that there is no specific federal preemption of control of radio communications, it's only implied.

Since This Decision Contradicts previous decisions on the preemption question, it sets a dangerous precedent and must be challenged. Over $1000 (including $500 from the Mt. Airy Pack Rats) has already been spent, and the necessary appeal in Federal Court will cost much more. Contribution checks made out to Harry B. Stein, W3CL, with the notation "Randy Bynum Defense Fund" can go to 2087 Parkdale, Glenside, Pennsylvania 19038. Thanks Cheese Bits.

FREEDOM TO LISTEN TO RADIO communications would be drastically curtailed by a new bill just introduced in the House Of Representatives. HR-7747, by Rep. Richard Preyer (D - North Carolina) and several co-sponsors, would "prohibit the unathorized reception of private radio communications." By prohibiting reception this new bill goes much further than Section 605 of the Communications Act, which is generally interpreted to ban the divulging of the content of private radio communications. A very timely and interesting discussion of Section 605's meaning by K1VR, himself an attorney and president of a company dealing in home satellite receiving stations, appears in the just-out August CQ.

Pressure To Ban Reception of various radio services has been around for a long time, most recently in connection with radar speed monitor detectors. Now pressure is coming from satellite TV distributors, worried that do-it-yourselfers will cut into their revenues. The Common Carrier Association for Telecommunications has petitioned the FCC to criminally prosecute and fine W2NSD and several others for 73's publishing of an article last summer on MDS (Multipoint Distribution Systems). In California, National Subscription Television is suing a dozen or so suppliers of allegedly illegal satellite TV decoders.

HR-7747 Has Been Referred to the House Committee on Interstate and Foreign Commerce and Judiciary for further action.

27-MHZ SSB EXPANSION was dealt a major setback at a special Commission meeting Tuesday morning, while in the process, Amateur Radio received probably the most compliments it's had at an FCC meeting in a long time. Back in December the Commissioners had directed the staff to prepare a Notice of Proposed Rule Making on expansion of SSB-only CB channels, and Tuesday's meeting was to have approved that NPRM. It didn't work out that way.

Proposed Were 25 New, SSB-Only CB channels on 5 kHz centers, between 27410 and 27540. Power was to remain 12 watts PEP, but skip contacts with other U.S. and Canadian stations and VFO operation (±2.5 kHz) would be permitted, and the five minute limit on contacts dropped. Examinations for the new service, proposed in the December discussion, were not included due to cost and the legal questions recently raised about FCC use of outside help.

The Proposal Was In Trouble almost from the moment the meeting opened. Though strongly supported by the originating Private Radio Bureau and endorsed by the Office of the Chief Scientist, expansion ran into heavy opposition from Field Office Bureau Chief Jim McKinney for rewarding present illegal operators and not solving any real problems. He noted his monitors had already recorded comments from out-of-band operators that they planned to move away from any expansion to maintain "clear channels" and cited CB's lack of self-enforcement and consequent ignoring of the rules (as contrasted with Amateur Radio and its tradition of self-enforcement and respect for the rules). Commissioner Lee then agreed with McKinney's points, saying he couldn't support the item while also complimenting traditional Amateur values.

Chairman Ferris Again Noted the difficuity in distinguishing Amateurs from CBers, and that a few hundred thousand Amateurs had so many frequencies while millions of CBers had so few. Commissioner Washburn objected to the proposed "OK" for skip contacts, while Commissioner Brown questioned Chief Scientist Lukasik on expansion's effect on TV channel 6. License exams were discussed at length, apparently concluding they're not possible. Commissioner Quello then suggested the expansion proposal be brought back as a Notice of Inquiry, and when Private Radio Bureau Chief Carlos Roberts said he wasn't sure how that could be done, it was quickly pointed out that it would become an NOI or nothing!

The Complete Turnabout from a Commission that wanted expansion in December seems to signal a basic shift in attitude. The previous attitude that everyone had a right to unlimited use of radio has been tempered by practical realities. Though the NOI does leave the door open to further consideration of expansion, an NOI has often meant the "kiss of death" for an unpopular proposal. Today's action may well mean new impetus to UHF CB expansion.

THE 27 MHZ SSB Notice Of Inquiry that's to be prepared to replace the NPRM that failed to pass at last week's special commission meeting is supposed to consider four problem areas:

1. AM/SSB Incompatibility and whether an exclusive SSB-only allocation would solve that problem;
2. Current Uses of the CB Service and whether some of its rules such as time and distance limitations should be modified to better meet current and future needs;
3. Lack Of Discipline in the CB Service and whether testing as a part of licensing would help solve this problem; and
4. Whether Some Sort of limited transmitter tuning on all channels should be permitted to facilitate SSB user communications

RESTRICTING PHONE PATCHES to limited portions of the Amateur phone bands has been rejected by the Commission, which dismissed a Petition for Rule Making filed by a Melbourne, Florida, Amateur by consent last week.

STATE-OF-THE-ART NEW FRONTIERS for Amateur Radio are going to be pushed by the FCC's Office of Science and Technology, the monthly meeting of AMRAD (HRR 306) was told by Assistant to the Chief Scientist Mike Marcus Monday night. The Radio Amateur and computer buff group heard that the OST would be preparing a Notice of Proposed Rule Making that would permit Amateurs to use spread spectrum, a sophisticated broadband communications technique that can be used on frequency bands already occupied by conventional discrete frequency stations. He also challenged experimentally minded AMRAD members to apply for Special Temporary Authority to use spread spectrum and advanced digital communications techniques such as packet radio, now in use in Canada. Amateur use of spread spectrum, as he described it, would not be restricted to Amateur bands but could encompass all VHF/UHF frequencies!

He Also Discussed the possibility of a code-free digital license like the new Canadian ticket, noting that thus far only 300 Canadians had passed the digital exam since it's been offered. He's been actively pushing the digital concept with the ARRL, he further noted, sparking the recent QST editorial on that subject. He also encouraged those at the meeting who are interested in experimenting with various new techniques to avoid the time-consuming procedure of filing a petition and come directly to him, offering to assist in getting experimental licenses issued to those who had trouble getting an STA!

The Evening Was most enlightening for those who attended, indicating as it did the directions being considered for Amateur Radio by the number two man in one of the Commission's most important offices.

APPARENT BLANKET ANTENNA RESTRICTIONS, contained in a form letter recently distributed by the Logan County, Illinois, Emergency Services and Disaster Agency, has disturbed some area Amateurs. The letter states that a county planning and zoning commission permit must be obtained "prior to construction" and "failure to obtain a permit...is in violation of the law and will be treated as such." The letter, however, did not cite the exceptions in the county's ordinance, including one for antennas or towers less than three times their height in distance from the lot line, which should cover most Amateur installations.

INDECENT LANGUAGE COST WD8NLS his station license and triggered suspension of his General Class operators license for the remainder of its term. FCC engineers had monitored his use of indecent language on the air on three different occasions, plus his rebroadcasting music on another.

HR REPORT

He has been issued an Official Notice of Violation alleging that he violated the following FCC Rules - Section 97.84-(a), Section 97.123, and Section 97.125.

The Regional Director of the FCC states that one of the above operators lost his license and the other operator's case is pending.

COMING EVENTS IN HAM RADIO

July 25-27 1980 ARRL National Convention Seattle, Washington

Aug. 2- 3 ARRL UHF Contest

Aug. 14-16 FARS Safari

Aug. 30- Sept. 1 ARRL Pacific Division Convention,

Sept. 5- 7 ARRL Southwestern Division Convention, Los Angeles

Sept. 13 FARS Flea Market

Sept. 13-14 ARRL VHF Contest

Oct. 4- 5 California QSO Party

Oct. 11-12 ARRL CD Party

Nov. 1- 2 ARRL Sweepstakes - CW

Nov. 15-16 ARRL Sweepstakes - Phone

Dec. 6- 7 ARRL 160 Meter Contest

Dec 13-14 ARRL 10 Meter Contest

THE FCC RESPONDS CCRC ACTION

In response to the CCRC's appeal to the San Francisco Field Office of the Commission, in regard to the malicious interference to local repeaters, the following response was received on July 18:

On May 22, 1980, an Engineer and a Technician from the FCC's San Francisco Field Office were investigating complaints of improper operation by users of the "Grizzly Peak" Amateur Radio Service repeater station WB6AAE/R. At approximately 12:30 a.m. they were monitoring the transmissions of a female radio operator who identified herself as "SHAWNA," and was using a ficticious call sign. Through the use of mobile direction finding equipment it was determined that the location of the transmitting station was Sebastopol, California. The Amateur Radio station at the located address was inspected immediately. The operator of the station is the holder of a Novice Class license. She has been issued an Official Notice of Violation alleging that she violated the following FCC Rules - Section 97.7, Section 97.84, and Section 97.121.

On May 28, 1980, an Engineer and a Technician from the FCC's San Francisco Field Office were investigating complaints of improper operation by the users of the "Grizzly Peak" Amateur Radio repeater station WB6AAE/R. At approximately 9:06 p.m. a signal was observed on the input frequency of that repeater (146.22 MHz) which was not being identified by transmission of an assigned call sign. The unidentified station was transmitting Morse Code. Through use of mobile direction finding equipment the source of the transmissions was found to be in Stockton, California. The Amateur Radio station at the located address is licensed to an Amateur Extra Class licensee.

FCC AND FEMA LOOKING INTO NATIONAL DISASTER RADIO RESPONSE PLAN

Under a plan proposed as part of FCC Docket 80-7 radio stations would be licensed to States as part of a nationwide High Frequency emergency communications plan, termed OPERATION SECURE.

The Federal Emergency Management Agency (FEMA) is reported to be interested in such a system as a back-up to more conventional landline systems.

The new service would be called the Disaster Emergency Radio Communications Service (DERCS).

ARRL and others have pointed out that such communication systems can be made "secure" from ordinary eavesdropping by the simple expedient of passing traffic on the net in "CW". Only hams and a relatively few others would be able to understand such messages.

MINI-S.E.T. POSSIBLE IN AUGUST !!

A test of West County & Northern Alameda County Ham alerting & mobilization procedures may take place without any further notice sometime during the last weekends in August. It will center around a simulated limited emergency. Our goals will be to provide radio communications for a limited cluster of local agencies and a SIMPLEX link to County OES.

STATE-WIDE RACES HF FREQUENCY.

The California state-wide RACES High Frequency circuit during emergencies is assigned at 3,999.5 (!?!) KHZ., according to a report heard at a recent emergency communications meeting. That freq. looks a little too close to the edge of the band. We'll let you know if we get a correction.

CALIFORNIA WEATHER NET ON THE AIR

Reports have it that a California WX net is operating Mon. through Friday from 0530 to 0745 on 3952 kHz. (PDT).

NATIONAL WEATHER SERVICE REQUESTS HAM AID.

The National Weather Service is reported to be exploring establishing a Ham Severe WX Net in California. Hams interested in participating should contact Dave Tyler (415) 525-6200.

THE BLOWN FUSE

SEPT. 1980

East Bay WD6DUS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE
RICHMOND, CALIF. 94805

Pool, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

COMING EVENTS

Sept. 11 (Fri.eve.) Reg. Meeting. Speaker: Bob Smithwick, Vice-Dir. Pacific Division, ARRL. Don't miss his up-date on the latest actions by ARRL and results of the Pac.Div. Convention last week at Santa Clara.

Oct. 10: Tech Talk. Also 'Show & Tell' night. Show and tell us about your latest brainwave baby !

Nov. 14: Election of officers for 1981. Special feature.

Dec. 12: Installation of officers and Christmas party. Gifts, goodie-eats, fun for all. Bring a new member.

EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

The EAST BAY AMATEUR RADIO CLUB meets the Second Friday of each month at the Salvation Army Center. 36th & Rheem, Richmond
7:30 PM

Officers: (1980)

Pres.	Mickey Khaler	WD6FYF	232-0194
1st V.P.	Dave Tyler		524-3715
2nd V.P.	Don Weits	WD6DLR	529-1785
3rd V.P.	Bill McCarty	WD6ETU	223-6056
Sec'y	Muriel Hunter	WD6FRP	524-3128
Treas.	Peter Annas		527-5804
Editor.	Steve Dodge	K6ZR	233-5833
CCRC Rep.	Les Bodin	W6JKY	632-3707
CCRC Rep.	Sid Lagorio	WA6JGZ	526-8604

Directors:

Grant Calhoun	N6XP	233-0566
Frank Taylor	WA6VBV	234-0771
'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	W6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

Several club members attended the Pac.Div. convention at Santa Clara. Hear their comments this Friday night. First hand dope, next best to being there yourself.

CORRECTION TO WX DATA.

THE frequency reported for the Calif. WX Net reported in last month's Blown Fuse is not correct.

The correct frequency is: 3954 KHZ. We wish to thank Carl Clark for supplying us with the correct frequency. The California WX Net operates weekdays from 0530 to 0745 Hrs. on SSB. Some stations from outside California also report in on this net.

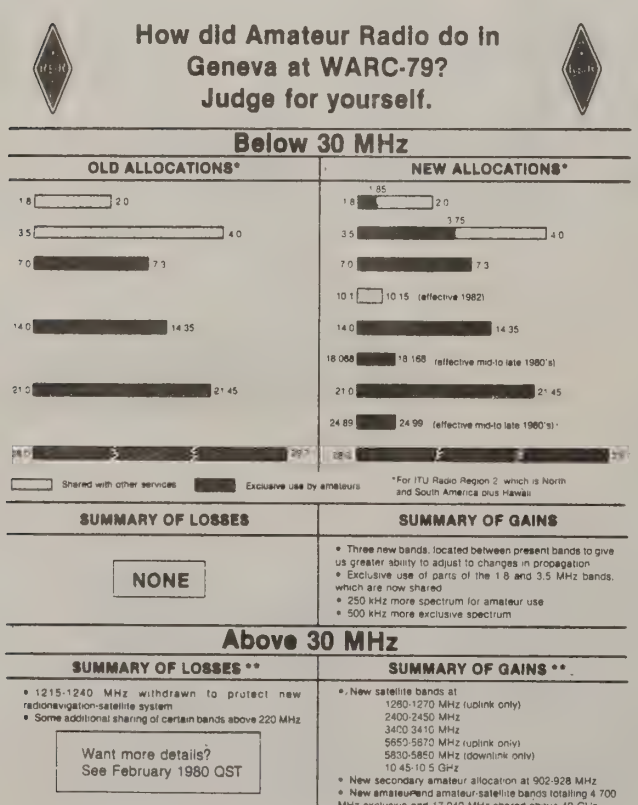
FINAL NOTICE FINAL NOTICE
LAST CHANCE FOR CHEAPO 2 METER RIGS.

The deadline for getting your name in to receive one of the Motorola VHF FM rigs from Santa FE as mentioned in our last two Blown Fuse Issues HAS BEEN ADVANCED TO THIS MONTH'S CLUB MEETING.

Those interested MAKE SURE DAVE TYLER HAS YOUR NAME AND COMPLETE ADDRESS. Even if you've told him once--DO IT AGAIN to be sure.

Again the price for each complete unit is $63.60 + a freight fee (probably $ 5 to 10 or so.) They are ONE or TWO channel units operating from 12 volts DC. Output is in the order of 35 Watts.

If you can't contact Dave at the meeting he can be reached by phone at:
525-6200
Or by mail: P.O. Box 6017, Albany, CA 94706.



DEAR FELLOW ARRL MEMBER:

The annual meeting of the ARRL Board of Directors was held on January 17 & 18, 1980. It was again my pleasure, as your Director, to represent the Pacific Division as my second term begins. Many important matters that will effect the future of Amateur Radio were taken up during this meeting. The detailed minutes of the Board meeting were covered on pages 64 - 67 of the March QST. I do hope that you have read these minutes. If you should have any questions regarding the Boards actions feel free to call or write to me.

At the start of this new decade, Amateur Radio is faced with a number of problems which can be solved by organization and hard work. Just for a starer, let us strive to change the image of Amateur Radio from a hobby to that of a service. Always remember that the International Regulations for Amateur Radio are further developed by the Federal Communications Commission rules and regulations. We, as Amateur Radio operators, are licensed to provide a service as expressed in Part 97.1 - Sub Part A. So let us develop our habits and attitudes to exemplify these parts of the FCC rules & regulations.

A positive club public relations program is one of the best methods to establish that Amateur Radio is a service. We should use all of the media available to us,to tell the story of our service, such as radio & TV stations, cable TV, newspapers, civic club groups, and all levels of education in our areas.

Each of us should start our own PR program by expounding the virtues of Amateur Radio as a service to all of our relatives, friends and neighbors on a daily basis. Who is better prepared to do this than the individual Amateur Radio operator? As we are telling the story of Amateur Radio through the local media or with club activities is this the end of our efforts? NO !! We must lift our voices so they will be heard in every level of city, state, and national government. Can we do this as an individual amateur or club? Not Really. It is the same now as it has been for the last sixtyfive years. We must continue to band together, work as a team, under the banner of the American Radio Relay League our national organization. This is the only organization which brings the amateurs of the United States together. Its sole purpose being, to provide a means common to all amateurs, regardless of our widely diversified interest, for the advancement, promotion, and protection of Amateur Radio. So our job as members of the League is to encourage newly licenced amateurs and old timers to join ARRL and become part of the team. Remember to tell them, that as a member, besides receiving the monthly journal QST there are other benefits. Here are four of the benefits for members: A. An insurance program for radio equipment, B. QSL service for sending overseas DX cards, C. Oscar education material, D. A package of Legal assistant material.

Let us set a goal to increase the Division membership to ten thousand during the next nine months. That would be about 1500 new ARRL members. If every club increase their ARRL membership within their own club by about 20% we could reach this goal. 73

Bill Stevens, W6ZM Bill
Director, Pacific Division

NEW WARC FREQUENCIES

Do you have any ideas on how the new bands should be used? If you have strong convictions write to ARRL AD HOC Chairman Max Arnold, W4WHN - 129 Page Road, Nashville, Tn 37205

LONG RANGE PLANNING COMMITTEE

Do you have strong feelings about the future of Amateur Radio? Send your comments to Vic Clark, W4KFC 12927 Popes Head Road,Clifton, Va 22024

THE REWRITE !! YOU CAN HELP, TOO !!!

The staff of the Senate Sub-Committee on Communication has put the final touches on its draft of the rewrite of the Communications Act. It is bipartisan. The new bill combi the best parts of Senator Hollings, S - 611 and Senator Goldwaters, S - 622. This rewrite of the Act may be renumbered.

A number of the parts of the bill are of interest to the amateur. It will provide for the license to be issued for ten years. It also, gives the FCC the authority over the sale & manufacture of TV receivers susceptibility to Radio Frequency radiation. The most important portion of the rewritten bill would give the FCC - "The authority to delegate to qualified persons, by contract or otherwise, the preparation and administration of examinations for the Amateur Radio operator licenses and the issuance of temporary authorization, but not license, to qualified applicants."

You should write to your Senator now, urging that the provisions in the new bill affecting Amateur Radio be reported out of committee in a favorable manner and that these parts be enacted.

However, this type of technical bill could be bypassed, in an election year in favor of a bill that would be more appealing to a greater number of their constituents. Therefore, we must write to our Senators, especially those on Sub-Committee from the Pacific Division: Howard W. Cannon, D - Nevada, and Daniel K. Inouye, D - Hawaii. The Chairman of the Sub-Committee is Ernest F. Hollins, D - South Carolina.

Here is a simple heading for your letter:

The Honorable (senators name)
United States Senate
Washington, D.C.

Please send a copy of your letter to Headquarters and to me.

UNAUTHORIZED RECEPTION OF SUBSCRIPTION TV signals is the subject of an all-encompassing bill that's just slipped through the California legislature and awaits Governor Brown's signature. Assembly Bill 3475, originally introduced May 1 by Assemblyman Levine of Santa Monica as a rider on a public utilities bill, would subject "any person who for profit manufactures, distributes, or sells any device or plan or part for the knowing purpose of facilitating an unauthorized interception or decoding of subscription TV transmissions" to a fine of up to $2500 and up to 90 days in jail. This bill, which would become Section 593e of the California Penal Code, would become effective immediately to protect against the "illicit activities" of those who've been intercepting subscription TV signals. The bill was passed last week by the state assembly and this Wednesday by the Senate, and is now on Governor Brown's desk for signing into law.

The Bill's Broad Wording poses a serious potential problem to Amateurs and other electronic experimenters, as it could have a very chilling effect on electronic parts sales and distribution. One parts distributor who'd been a defendant in the recent ON-TV suit (HRR 315) was told he'd be dismissed as a defendant if he'd give assurances that he'd sell no more UHF transistors to potential "TV pirates"! Lawyers consulted about Assembly Bill 3475 also feel it intrudes into the federal preemption of telecommunication controls, but that it will take expensive litigation to establish that and have it thrown out.

California Amateurs Who Oppose Assembly Bill 3475 for its potential negative effect on Amateur experimentation and microwave work would be well advised to wire Governor Brown in Sacramento immediately and urge his veto. Thanks W9WU.

FLORIDA VISITORS and residents alike will find Florida Skip's newly revised, statewide 2-meter repeater map a very useful tool. The map, recently updated by W4FXE, is available for a #10 SASE and 25¢ from Florida Skip, Box 501, Miami Springs, Florida 33166.

"10-METER FM FOR THE RADIO AMATEUR," by Dave Ingram, K4TWJ, is just out and apparently the first book published on this relatively recently popular operating mode. Coverage includes both commercial and surplus equipment, antennas, simplex, remote base and repeater operation, and even slow- and medium-scan TV. It's 140 pages, costs $4.95 from Ham Radio's Bookstore and other TAB Books outlets.

EXTENDING ID TIME PERIODS from the present 10 minutes to 15 minutes has been proposed in a Petition for Rule Making filed last month with the FCC. Comments on the proposal, designated RM-3714, must reach the Commission by September 6. The required copy may be sent to petitioner John Gebuhr c/o his attorney, Brian Zdan, 4817 Douglas Street, Omaha, Nebraska 68132.

THREATS AND INDECENT LANGUAGE over the air have cost a Niagra Falls Amateur $2000 in fines. Conflicts with users of a Buffalo repeater over foul language first escalated into some incidents of window breaking and tire slashing, eventually culminating in over-the-air threats to several repeater operators and their families. At that point the FBI was called in, and on December 5 and 24, 1979, and January 16, 1980, they monitored WB2QHC making such threats over 2 meters. In addition, they heard him using obscene and indecent language on the air on December 19.

After Hearing The FBI's evidence, WB2QHC pleaded guilty on all four counts in Federal District Court. Federal Magistrate Edmund Maxwell then fined him $500, the maximum penalty, on each count. In its news release on the case the government noted that close cooperation between the Amateur community and the FBI was largely responsible for the successful conclusion. Thanks WB2CJL.

PLANS FOR ANOTHER AMATEUR SATELLITE are accelerating, particularly in the U.S. and Germany. Almost all the contributors to the Phase III satellite have now volunteered to participate in the Phase III-B effort. Discussion is underway over whether this new satellite should be an exact "clone" of Phase III or revised in view of new capabilities and possibilities. However, the issue may not really be resolved until a specific launch opportunity is ensured, since satellite design depends on the vehicle.

Greater Testing and burn-in seem almost certain for the new satellite, enhancing both performance and lifetime. AMSAT's pleas for assistance have thus far been answered by qualified draftsmen and machinists, but still more professional help is needed.

HURRICANE ALLEN FINALLY blew itself out on the South Texas coast last weekend, after leaving death and destruction along its 2500-mile course, but Amateur Radio stayed with it all the way. During Allen's week-long journey, the dedicated Amateurs of the Hurricane Watch Net gave the Weather Bureau's Hurricane Center in Miami perhaps the best continuous rundown of a tropical storm's progress it's ever had. The Hurricane Center Amateur crew, led by WD4JNS, took reports directly from the net on 14325, while other storm-related information from other bands was passed in on 2 meters.

One Particularly Dramatic Contact came Saturday evening, when Chief Forecaster Dr. Richard Hagen of the Brownsville Weather Bureau used WD5CLD to confer at length with Miami hurricane specialist Dr. Joseph Pelissiar, on WD4JNS/4, about the significance of Allen's having stopped 30 miles off Brownsville.

Some Of The More Active contributors to the Hurricane net not already cited were HH2MC, HH2BM/HH6, 6Y5RS, WB2OYL/6Y5, ZF1BC, ZF1MA, ZF2AT, CO2KK, KP4USN, XE3A, XE3CT, XE3LK, VP1JJ, and KØIND/4 in Key West. Amateur Radio's contribution during one of this century's strongest hurricanes received widespread recognition in the media. NBC showed the Hurricane Center's Amateur station in operation on its Saturday night news, while W4ZR made TV news on Wednesday getting from-the-scene damage reports from HH2MC and 6Y5RS on 20 meters. Similar scenes were repeated across the country, as TV news teams found that local Amateur stations gave their storm coverage an immediacy not otherwise available.

Intentional Interference Was the only negative aspect of what was otherwise an outstanding Amateur operation. Carriers, VFO swishing, and even some music interfered with net operations at times, though relays from net stations outside the interferer's skip zone minimized the problem. At least one of the jammers, whose life-threatening behavior is beyond understanding, supposedly has been identified and will be charged shortly.

A NEW 10 GHZ DX RECORD, 757 km, was set July 12 when IØSNY/7 worked IW3EHQ/3 and I3SOY/3. Ten milliwatt Gunnplexers and one-meter dishes were used at both ends, from Brindisi on the south end to Col Visentin in the Italian Alps on the north. The former 10-GHz record, 633 km, was also held by Italians. Thanks W1CF.

A New Meteor Scatter Record is reported to have been established Monday night, when VE1ASJ worked England during the Perseid meteor shower. No further details were available at press time.

TWO PHONE BAND EXPANSIONS and 10 MHz for CW/RTTY only will be sought from the FCC, ARRL directors voted at their Seattle meeting last week. Planned are petitions to give General, Advanced, and Extra class licensees 10.1-10.15 MHz for CW and RTTY, with a maximum input of 250 watts. They'll also seek 20 meter phone expansion, with Extras to have 14150 up, Advanced 14175 up, and General all above 14225. On 40, a new slot for Extra Class Phone, 7075-7100, will also be suggested.

PLAIN ENGLISH AMATEUR RULES continue to move along at the FCC, with a draft covering the Amateur Satellite Service and RACES as well, now circulating within the Commission. If this draft doesn't run into too much trouble, it's possible it could be out for public comment as soon as late fall. Plain English rules for both the CB and VHF Marine Services are already in effect, and the final version of the Radio Control rules should be out soon.

In Washington, The FCC has also come out against non-paying users of subscription TV signals with a Public Notice released August 15, the day after the California Federal Court dismissed the pay TV industry's lawsuit against decoder manufacturers and distributors. In it they "caution" the distributors and users of unauthorized receiving equipment that "such devices in a form not approved by the Commission" might subject users, sellers or manufacturers to a $500-a-day fine. As such devices are add-ons to existing TV receivers it's far from clear as to how the FCC jurisdiction applies to them, and the rules citation in that Public Notice applies only to the transmission of pay TV signals—not their reception.

HR-3477, The Federal Bill discussed in HR Report 312, is also directed toward unauthorized users of subscription telecommunications, a point not made in our original report due to the vague wording in published news reports. Like the California bill, its sometimes ambiguous language could also cause problems for Amateurs.

THE BLOWN FUSE

OCTOBER 1980

East Bay WD6DS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE
RICHMOND, CALIF. 94805

Pool, Morrie W6CJI
7315 Eureka St.
El Cerrito, Ca. 94530

COMING EVENTS

Oct. Meeting, Oct. 10. DXing JA's.

Talk by Ken Snell, K6KQH, who has worked hundreds of JA's, has been to JA land and will have a lot of interesting and helpful info for DXers. Also, do you have a pet project to show? Heres your chance! Bring it and tell us about it! Review of Bike-a-thon communications recently done for American Cancer Society. Also plans for Oct. SET on Oct 18th by Dave Tyler.

November: Important organization meeting. Election of officers and board members for 1981. Review SET. Planning for Christmas party.

EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

The EAST BAY AMATEUR RADIO CLUB meets the Second Friday of each month at the Salvation Army Center. 36th & Rheem, Richmond 7:30 PM

Officers: (1980)

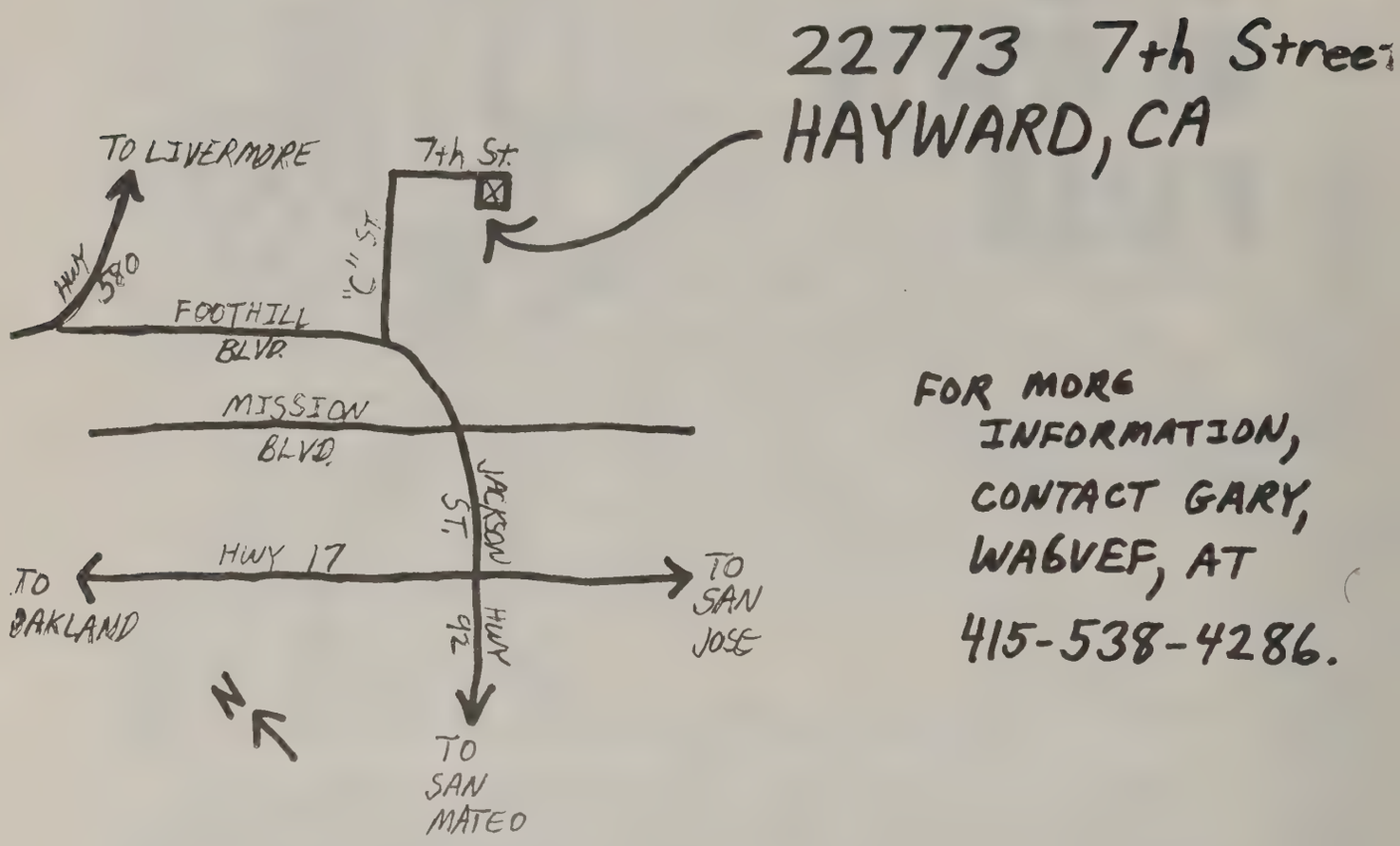
Pres.	Mickey Khaler	WD6FYF	232-0194
1st V.P.	Dave Tyler		524-3715
2nd V.P.	Don Waits	WD6DLR	529-1785
3rd V.P.	Bill McCarty	WD6ETU	223-6056
Sec'y	Muriel Hunter	WD6FRP	524-3128
Treas.	Peter Annas		527-5804
Editor.	Steve Dodge	K6ZR	233-5833
CCRC Rep.	Les Bodin	W6JKY	632-3707
CCRC Rep.	Sid Lagorio	WA6JGZ	526-8604

Directors:

Grant Calhoun	N6XP	233-0566
Frank Taylor	WA6VBV	234-0771
'Lew'Lewellen	WA6JSO	233-0534
Carl Clark	WA6KTL	526-3116
Chris Baldo	AI6S	653-1650
Charles Henry	WB6EJA	232-9237
Don Dunn	K6BJJ	526-7136
Leo Lewis	WA6ZFV	223-0301
Ivan Sturman	WB6PIV	524-9021

ESTATE SALE ___AMATEUR RADIO GEAR

A 20 year collection of radio gear at bargain prices will go on sale at Hayward. Dates: Oct. 18 and 19 . 9AM to 4 PM. 22773 7th St. Hayward, Ca. For more info contact GARY, WA6VEF at (415)538-4286.



FCC'S CW EXAMS ARE CHANGING from the present multiple-choice format to "fill in the blank" effective this Sunday, September 28. At the same time the passing grade on the new 10-question exam is being reduced from 80% to 70%. Basis for the change was a detailed study of Amateur exam takers made earlier this year, which indicated applicants who were competent at the required code speed would pass the new exam with ease, while those who weren't could rarely guess their way to a passing grade.

Recent Pass Rate Figures for Amateur exams from two FCC Field Offices, though a limited sample, are quite interesting. While over two-thirds taking the combined Elements 2 and 3 exam—Technician/General without previous Novice—passed; only 43% of those who already had a Novice license did so. Less than 25% of the Advanced Class applicants made the grade, but a third of those going for Extra in Chicago passed—while a whopping 73% (eight out of 11) Denver Extra Class applicants made it.

Part Of These Unusual Results may be due to the introduction of new exams this spring. It's also a common practice to take an exam for "practice," before being fully prepared for it.

CALIFORNIA'S TOUGH ANTI-SUBSCRIPTION TV interception bill was not signed into law by Governor Brown September 5, according to a spokesman for the governor's office. However, all major West Coast news services had carried the story of its signing two weeks ago, with reports appearing on both TV and radio.

Where This Discrepancy originated—or even whether the bill has actually been signed or not—was quite unclear at press time.

A TRAFFIC FERRYBOAT SINKING near Isla Aquada off the Yucatan Pennisula claimed the life of XE3R and about 40 others August 23, but Mexican authorities credit a quick-thinking Amateur with averting an even higher toll in the disaster. Screams in the dark of a rainy evening brought XE3CA to the water's edge, where he spotted the ferry sinking about a half mile offshore. He jumped into XE3R's nearby parked car and via 2 meters alerted club station XE3RA, whose operator notified authorities. The death toll would have been even worse if it hadn't been for the quick call from XE3CA and the aid of other Amateurs who heard his call and rushed to help in rescue work. Thanks W5XW.

10.1 MHZ OPERATION BY TWO CANADIAN Amateurs has been approved by the Department of Communications and should be authorized very soon. In response to a proposal by VE3QB, the DoC has agreed to issue him and VE3DPB VE9 licenses in the experimental services and permit them to operate using very narrow band, low bit rate digital communications anywhere in the 10.1-10.15 MHz future Amateur band. They'll be experimenting with digital data transmission in the presence of QRM, and are prepared to set up for possible 24-hour-a-day communications using computer-controlled stations.

Operation On Any Frequency within the 50-kHz-wide band will be permitted the two experimenters, as the 5-watt limit on output power is unlikely to cause other band occupants problems. As both stations are in the Ottawa area, propagation between them should not be a factor, but the effects of propagation on other interfering signals should provide useful information on problems of digital data communications on the HF bands.

Their VE9 Experimental licenses, which will be valid for a year, should be issued around the end of September, and the two experimenters will be ready to begin work within a few days after their receipt. Regular Amateur use of 30 meters is not scheduled to begin until January 1, 1982. Thanks VE3QB.

MORE FCC LICENSE FEE REFUNDS are to begin shortly, as the Commission begins Phase II of its fee refund program. Under the Phase II program, all applicants who paid the FCC license fees of more than $4 but less than $20 between August 1, 1970, and February 28, 1975, are eligible for refunds. Almost all Amateurs who held licenses during that period should have a refund coming, but CBers, whose license was only $4, will not.

To Apply For A Refund, request an instruction book with refund form from any FCC Field Office, or write the FCC Fee Refund Program (Phase II), Box 19209, Washington, D.C. 20036. Specific questions about the program can be answered by calling a special toll-free number, (800) 424-2901. Applications will be accepted until December 15, 1982, though applicants are urged to submit requests before next September 1. As a very large number of requests are expected, applicants should expect considerable delay.

Phase I Of The Refund program, recently completed, resulted in about $49,000,000 being returned to FCC licensees.

FCC'S SPANISH LANGUAGE EXAMS should and will be continued, the Commissioners agreed unanimously at their Wednesday meeting. The Spanish-language exam question was on the agenda as a result of two petitions for rule making, one to have a requirement that exams be available in Spanish be added to Part 97 of the rules (filed by ARRL), and the other—filed by SIRA—that all exams from Technician through Extra class be offered in Spanish. Both petitions were dismissed as moot, since the Spanish-language exam program is now well established—though it may be late next year before an Extra class exam is available in Spanish.

A Spanish Translation Of Part 97, the Amateur Radio rules, has been made and a Spanish edition of the rules is in preparation by FCC's Office of Consumer Affairs. A release date has not yet been set.

ANOTHER GRIZZLY PEAK JAMMER has been nabbed by the San Francisco FCC Field Operations Bureau. According to an FCC release, the jammer was tracked down on July 23 when FCC engineers monitored the transmission of "party" records or tapes on the input of WB6AAE/R. The transmissions were then traced to a downtown San Francisco apartment. The jammer (not identified in the release) was unlicensed and bootlegging the call of another Bay Area ham.

This Is The Third Jammer to be picked off the Grizzly Peak machine in the past four months (HRR 315). Thanks N6SF.

COMMUNICATION WORLD—VOLUME III is now available from producer WD8QJB. Almost half of this 13-episode program was recorded at the 1980 Dayton Hamvention, and features interviews with W2HD and other ARRL officials. For copies, send two 1400-foot reels of audio tape for each set of programs (Volumes I and II are still available) to Stephen E. Brown, WD8QJB, Parkland College, 2400 W. Bradley Avenue, Champaign, Illinois 61820.

SOUTHERN CALIFORNIA REPEATER LISTS, for both 2-meter and 220-MHz machines, are available for an SASE from Rio Hondo College, 3600 Workman Mill Road, Whittier, California 90608.

A Similar List For Wisconsin, covering all repeaters in the state from 6 meters through 440 MHz, has been prepared by the Wisconsin Association of Repeaters. For copies, send an SASE to Dave Knaus, WA9POV, WAR Newsletter Editor, 6237 W. Lincoln Creek Drive, Milwaukee, Wisconsin 53218.

VAS YOU DER, CHARLIE? DEPARTMENT.

Yes, Charlie was there, but were you? Chas, W6EJA, Lew, WA6JSO, Steve, K6ZR, Muriel, WD6FRP (with new hand-held), Leo, WA6ZFV, Carl, WA6KTL, Walt WB6MFE Joe, WB6DOB and Dave Tyler -- all were there to help with the American Cancer Society Bike-a-thon Sunday the 28th Sept. Walt had his motor cycle job going FB and Muriel broke through with her nifty hand-held ICOM. All others performed great with most communications on 146.655, but a blind spot was covered through 146.70 . Reportedly the affair raised about $2800 for the Cancer Fund. A worthwhile cause and good training for SET of REAL emergency situations. The day was beautiful. Coverage was to several check points and the 25 mile loop from Olinda School (El Sobrante, over Castro Ranch Rd. Pinole Valley Rd. Bear Creek Rd to Orinda and return via San Pablo Dam Rd. Thirty participants entered,,with only two drop-outs, one due to a fall, and one mechanical failure.

WELDING THANKS

Our thanks to the welding shop at Contra Costa College for the antenna base piece welding for our trap vertical at the Salvation Army Center. Rod Rodriguez WB6NAH has taken over coordination of getting antennas up. He needs your help. Give him a buzz at 234-2662.

This month's newsletter deals directly with your club; how to better organize it and how to get it to function more smoothly. If you implement some of the ideas in this newsletter, you might have a little more fun at your next meeting.

THIS MONTH'S NEWS

Do your club members attend meetings? Or do they say "I'll attend next month or next year"? Try some of the ideas Clark Stewart presents in "Club Attendance".

One licensed YL in her area lets us know what she did about improving the YL population in Michigan. Interested in trying some of Marsha's ideas? Read on.

How many projects does your club do together? Not very many? Interested in the "Ultimate" club project? Bob Heil lets you in on the hottest project around.

A good social gathering--a good way to let everyone meet--a good way to get a good meal. Pat Pilens' Pancake Parade.

An annual feature for RCN. All the clubs affiliated with the ARRL for Fifty years.

Your club can become involved. You can become involved. There are people out there with special problems who need your help. What will you do?

Do newcomers want to come back to visit your club again? Do they want to join "today", or do they just fade away, never to be seen again? Des Moines Radio Amateur Assoc. has the solution.

CLUB ATTENDANCE (OR DO YOU CHASE THEM AWAY?)

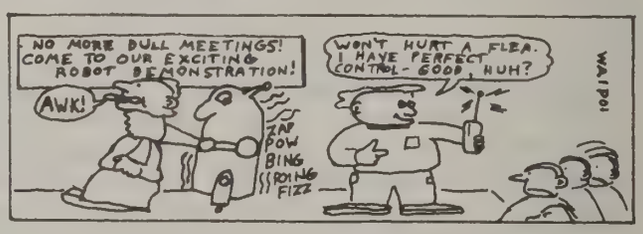
BY CLARK L. STEWART, W8TN

How many people attended the last meeting of your local radio club? WHAT! You weren't there so you don't know? Why not? Oh, I see, the average meeting of your club is a one or two hour dialogue carried on by a few diehards who take all evening to decide on a name for the local 2-meter fm net. Well, unfortunately, that is true for a great many clubs but it need not happen.

Over the last thirteen years I have belonged to four local Amateur Radio clubs and I have seen attendance dwindle and die because this type of club meeting is boring. So, in the last two clubs I belonged to, I set out to change things.

First, a structure for the regular club meeting had to b decided upon. In both cases the format chosen was to have a business meeting first but to limit it to 30 minutes and ther follow it with a program or presentation for a similar perio of time. Time limitations are very important. Without them one portion or the other will expand to fill the entire evening, resulting in fewer members at the next meeting.

Second, the meetings had to be made interesting enough to attract club members away from trimming the hedge, changing the oil in the old flivver or watching the summer re-runs on the tube. This is, in fact, much easier than it sounds. Most of the talent to do this can be found in the members themselves. As Pete used to work for the ARRL, he could talk on how QST is put together each month; Jerry is interested in radio controlled models so a demonstration was in order there, and of course, Les just achieved the USA-CA award so a talk on county hunting was the obvious choice for him. Even members with no talent could write to the ARRL to secure a slide show for presentation to the club.



The final change is communication. If only four members came to the meeting a way had to be found to let the others know of the changes in the club meeting and of what a fine time those four people had at the last gathering. Suddenly, the club newsletter was born. One of the members was coerced into typing half a page on what happened at the last meeting and what was planned for next month and then the appropriate number of photocopies were made and mailed to all the hams in the area, whether they were members or not. Nearly overnight attendance doubled, trebled and quadrupled and comments were heard on the air by people who actually had fun at the club meeting!

All of these ideas have worked and once put in gear, take very little effort to keep up. The format agreed upon for the meeting has to be adhered to as closely as possible or the meetings will drift back to where they started. If the business portion of the meeting cannot be conducted in the time period allowed, the remaining items on the agenda need to be left for the next meeting or delegated to committees of two or three individuals. Did I forget to mention an agenda before? Must be my creeping senility again. An agenda, no matter how bare or brief, helps to speed either portion of the meeting along. The president should prepare one as well as the speaker so that things can be kept from drifting off in unimportant directions. Post your agenda on a blackboard or large sign at the front of the room - or circulate copies to all members before the meeting starts.

These basic ideas will not only perk up the club meeting but attendance, membership and participation as well. Agree upon a structured format and stick to it; supply something interesting or entertaining to attract people and let those who are not there know what they are missing. Other mini-ideas include offering a callbook as a door prize or having the meeting in the park (great for an outdoor demonstration) or at a member's home for a close look at his moonbounce set up. Why not try some of these with your club? You have nothing to lose and quite a lot to gain.

THE BLOWN FUSE

NOVEMBER 1980

East Bay WECUS Amateur Radio Club

EAST BAY AMATEUR RADIO CLUB
c/o STEVE DODGE, TRUSTEE
5601 DOREMUS AVE
RICHMOND, CALIF. 94805

Morrie Pool , W6CJI
7315 Eureka St.
El Cerrito, CA 94530

COMING EVENTS

NOV. 14, 7:30PM REG. MEETING AND ELECTION OF NEW CLUB OFFICERS FOR 1981.

REORGANIZATION OF THE BLOWN FUSE PUBLISHING EFFORT.

SELECTION OF NEW TRUSTEE FOR THE CLUB RADIO STATION.

DEC. 12, OR 13 THE XMAS PARTY AND INSTALLATION OF NEW OFFICERS. GIFTS, GOODIES-TO-EAT, FUN FOR ALL.

BRING A NEW MEMBER BRING A GUEST.

FIRM DATE FOR DEC MEETING TO BE DECIDED AT NOV. MEETING

EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

The EAST BAY AMATEUR RADIO CLUB meets the Second Friday of each month at the Salvation Army Center. 36th & Rheem, Richmond
7:30 PM

OCTOBER S.E.T. A MIXED BAG. ------ SOME GOOD NEWS & SOME BAD NEWS

The good news in the Oct. SET was that the members that showed up for the test performed very well. Those who took part were WA6JSO - Lew who acted as Net Control Station; WA6ZFV - Leo, WD6FTM - Sam, W6EJA - Chas, WB6DOB - Joe, WA6UHO - Larry, K6HYS - Jack, KA6HLY - Cecil, KA6HET - Al, And WB6IRF - Lowell operated mobile. They were assisted by W6 IWH - Bob, WA6KTL - Carl and WA6VBV - Frank operating base stations from their homes. These hams did a great job in their part of a simulated RR accident and fire located near Martinez.

The Bad news is (aside from the regret able low turnout) our alerting net needs a drastic overhaul. We did not make very good use of frequencies available to us. (Sorry about that fellas -- D.T.) AND OES's scenario did not give West County enough to keep us busy during the test.

There was a critique folowing the exercise attended by a large number of Central County hams. Lew, Chas, Jack and Dave (Tyler) attended for West County EBARC and Lowell attended for CCCCs.

With this one under our belt we should do a lot better with the next one.

RACES ALERTED IN WEST CO CO COUNTY FOR SERVICE FOLLOWING EXPLOSION IN RICHMOND.

A limited status standby alert was put into effect Weds. nite, Nov. 5th following a major explosion at an industrial plant in Richmond. Due to the conflicting reports released by Bay Area electronic media concerning release of toxic fumes from the explosion site a standby alert was put into effect. The 4Cs repeater was placed on emergency status with WA6KQB - Gabe acting as net control. Within minutes after activating that repeater 2 mtr communications were established with every adjacent county in the North Bay Area and a large number of mobile rigs were made ready to roll. Fortunately, we were not needed. But the speed with which the alert was placed into effect reflects very well indeed on EBARC members who took part and on the readiness of the 4Cs club to respond quickly and efficiently in an emergency. WA6KQB did a superb job as Net Control.

By 11pm that evening the alerted hams were released from standby duty after it was confirmed that no danger from toxic fumes existed.

Both the SET and the more recent standby alert were coordinated by Dave Tyler who worked in collaboration with Dwayne Eskridge (W6LKE), the ARRL DEC for Contra Costa County.

STUDENTS OF EBARC'S NOVICE CODE CLASS GET INTRODUCTION TO HAM RADIO ACTION.

The blast that shook this part of the Bay Area also served as an unexpected imprompto signal for the end of last Wednesday nites first novice code class. Altogether eight students attended the first code session held at our regular club meeting place. Six of those in attendance are taking Steve Dodge's (K6ZR) course in electronics at CC College.

The huge blast in Richmond occurred just as the class was completing its practice session. Leo's (WA6ZFV) HT soon crackled with reports of the explosion which gave the newcomers a first hand exposure to how fast ham radio can respond to emergency situations.

EBARC's instructors for the first session were: Leo (WA6ZFV), Bill (WD6ETU), Don (WD6DLR) and Dave.

HAM WINS LANDMARK ANTENNA CASE & COSTS!

W6QOL in Placentia, Calif. has won"an important antenna victory" according to HRR. W6QOL claimed that the city of Placentia was violating his right to free speech by passing an ordinance making his antenna installation illegal. There is quite a bit more to the story in HRR, but the upshot of the matter is that W6QOL's attorney (K6JAN) prevailed with his civil rights argument, and a federal judge set aside the City's ordinance and ordered the City to pay the ham's attorney fees and costs. Details available soon from ARRL.

PLAIN LANGUAGE AMATEUR RULES (PART 97) TO BE RELEASED IN LATE NOVEMBER FOR COMMENTS FROM INTERESTED PUBLIC (HAMS).

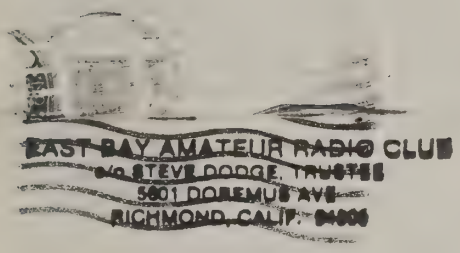
A long comment period is seen as likely for the newly revised Part 97, to give Hams an opportunity to thoroughly consider the two inch thick document--more later. (From HRR)

EAST BAY AMATEUR RADIO CLUB

W 6 CUS

DEC. 1980

THE BLOWN FUSE



Don Dunn, K6BJJ
835 Santa Barbara Rd.
Berkeley, CA 94707

COMING EVENTS

DEC. 12 Installation of new officers AND...
ANNUAL CHRISTMAS PARTY!!!!!
ICE CREAM, COOKIES, CAKES ... AND
PRESENTS FOR GOOD LITTLE HAMS!

NO BOARD MEETING IN DECEMBER. NEXT MEETING JAN 22nd.

JAN. 9 Election of new Board of Directors
Technical topic to be announced at
Christmas Party Meeting.

THE BEST OF HOLIDAY GREETINGS TO ONE AND ALL!!

EAST BAY AMATEUR RADIO CLUB
c/o Steve Dodge, K6ZR
5601 Doremus Ave.
Richmond, CA 94805

The EAST BAY AMATEUR RADIO CLUB meets the Second Friday of each month at the Salvation Army Center. 36th & Rheem, Richmond
7:30 PM

PROPOSED NEW PLAIN LANGUAGE HAM RULES GET APPROVAL FROM FCC --- BUT THERE'S A CATCH: DISTRIBUTION OF THE NEW RULES MUST AWAIT FINDING AN EXTRA $37,000 IN FCC BUDGET.

IMPORTANT PROPOSED CHANGES ARE:

ALL log keeping requirements are to be dropped; Ham stations would be made available for FCC inspection; and , every ham would be required to keep a copy of Part 97 at his/her station.

These changes will not become effective until the FCC publishes and distributes the proposed new rules in the Fed Register and in the FCC Report (Hence the $37,000 their looking for). -----TNX HRR.

HAM RADIO REPORT TO PUBLISH BIWEEKLY.

HRR has gone to a biweekly publishing schedule on account of increasing costs, and therefore increasing subscription price ($32.50) lost too many old subscribers. The new rate is $18.50/Year.

The same publisher has also dropped publication of Ham Radio Horizons. Present dubscribers to that mag. are having the older publication Ham Radio substituted for the term of their present subscriptions. Those who subscribed to both will get the latter extended to cover the unexpired months of HRH.

EBARC NEEDS SOME "EGG" INSULATORS!

Your club needs some egg style porcelain insulators for the antenna installation at the Salvation Army Building. If you have a few extra of the same in your collection of odds and ends---please let us know if you can spare them .

CLUB 2 METER TRANSCEIVER FUND UNDERWAY.

The club's fund for purchasing a used synthesized 2 Mtr rig for use at the club HQ which was authorized by a vote of the membership at our last meeting is off to a great start. As of the last board meeting $75 was in the kitty.

SPEAKING OF KITTYS

OUR annual Christmas party on Dec. 12th would be a great time to make a modest donation to our kind hosts, The Salvation ARMY, Please see if you can bring a check made out to them to our party!

CLUB RADIO STATION W6 CUS HAS A NEW TRUSTEE
Joe Lee, WB 6 DOB has agreed to act as the Club's new Trustee for our radio station. We all owe Joe a hearty cheer for volunteering to carry this responsibility for the club.

And, I'm sure all our club members also join your editor in expressing our profound thanks and gratitude to Steve Dodge for acting as Trustee for many years.

CHRISTMAS PARTY NEWS

Your club's annual Christmas party will be held at our regular meeting place, at 7:30PM on Dec. 12th . All members are being asked to bring two things: One, a small gift suitable for another ham (not to exceed about $3) ---and xmas wrapped; Two, cookies, cakes or other goodies to eat. Your club will be serving ICE CREAM.

There will be a brief ceremony installing the club's new officers for the coming year followed by the Xmas party.

If you can see your way clear to do so, please don't forget to bring a little Christmas cheer to the Salvation Army too (See item bottom of previous column.)

AND, SPEAKING OF CHRISTMAS SPIRIT....

As you may now know (See Adjoining column) your club is lookihg for an inexpensive 2 Mtr rig for the club HQ operation at the Salvation Army Bldg. If you have an extra rig you might be interested in selling to the club -- or better yet, donating to the Salvation Army (tax deduction??, Kaff, Kaff) Please let Steve Dodge or Dave Tyler know about it.

CLUB TWO METER NET TO BE FORMED.

Watch for details of a club two meter net to be instituted early in the coming year. As presently planned the net will serve at least two purposes: 1. an informal meeting place to discuss club business and other matters of interest to members that may arise between regular club meetings; 2. a means of simulating emergency traffic -- so that we can practice traffic handling and increase our skills in that area without burning gasoline or otherwise spinning our wheels, however, we will still have SET's in the field at least twice a year.

CLUB HF NET ????????????

Let's share ideas on this..... CW? Phone? Sked? etc. ??????

THE BASE STATION, INC. 685 - 7388

2101 PACHECO STREET

CONCORD, CALIFORNIA 94520

The NEW AZDEN PCS-3000 now with 8 memories & lighted push buttons--INCLUDES *FREE* TTP Mic. AND PL. Many new features. AVAILABLE NOW $339.95

DENTRON RT-3000 Deluxe 3KW Rotary Inductor Tuner $299.95

KENWOOD TS130S 12V. XCVR with the NEW BANDS $759.95

HAND HELDS: S1A w/TTP $309.00 ; S5 w/TTP $349.00 ; S-2 w/TTP $399.95 ; Kenwood TR2400 $399.95. Now taking orders for TEMPO S-4 440 Synthesized.

DAIWA SWR/Watt Meters from $116.20 .

2 METER 5/8 Wave Magnet Mount Antenna, PLUS Hole Mount too; Reg. $37.95 Special $29.95

NPC Regulated Power Supplies from $29.95

MFJ 102 Digital 12 or 24 HR Clock $32.95

SP-445 Mobile Communications Speaker Reg. $15.00 SALE $7.95

LARSON 1/4 Wave w/Mount and COAX $10.10

DSI Frequency Counters from $119.95

AEA "ISOPOLE" 2 M OMNI Reg. $50.00 SALE $39.95 Save $10.05 +

MFJ Dry Dummy Loads: 300Watt $26.95; 1 KW $49.95 .

"THE FINAL EXAM" for General, Advanced, & Extra $9.95

1981 US CALLBOOK $17.95
1981 DX CALLBOOK 16.95
1981 ARRL Handbook 10.00

ALL ITEMS SUBJECT TO STOCK ON HAND. HUNDREDS OF OTHER ITEMS IN STOCK. PRICES SUBJECT TO CHANGE.

STANDARD POWER CONNECTOR | SONOMA CTY. RACES

1. This standard describes the prefered +12 to +15 volt power connection for RACES VHF radio equipment.

2. Connector Type: Molex series 1545, two circuit, nylon housing, .093 in. dia. terminals, with holding (not locking) tabs, optional mounting ears, and double crimp pins.

3. Availability: These connectors are available from a number of electronic parts distributers in Sonoma Cty.

4. Cost: Bubble-pack containing 3 each Molex 1545-series plugs, connectors, and terminals (Waldom Electr. part number 1545PRT) is available for under $2.

5. Rating: 250 volts, 8 Amps. or more, Maximum.

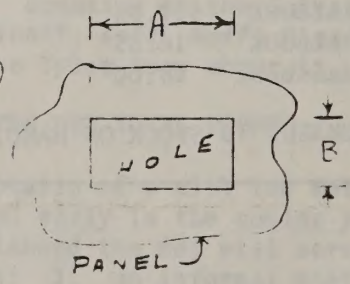
6. Configuration: The configuration shown below will insure compatibility and safety if followed by all RACES operators.

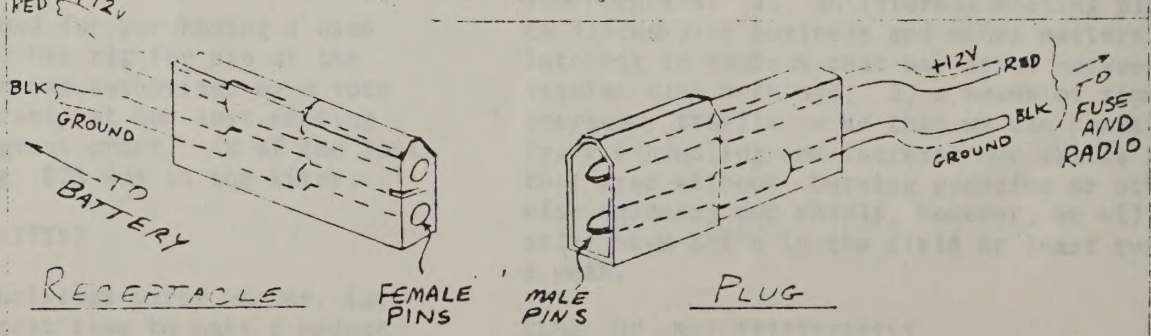
7. Wire size: #18 awg or greater for single runs of 9 ft. or less (battery to radio).

8. Recomendations:
   All RACES operators should modify their present equipment or be prepared to insure their compatibility with adapter cables.
   An in-line fuse, connected in the positive wire, between the radio and the first connector, is highly advisable.

PANEL MOUNTING:
(MAX THICKNESS 0.090")

	A	B
RECEP:	0.725"	0.312"
PLUG:	0.800"	0.375





(MOUNTING EARS NOT SHOWN)

WA7UVE: OCT 1978

MINUTES OF E. B. A. R. C. BOARD OF DIRECTORS MEETING

Wednesday, January 28, 1981, 8 p. m.

This meeting was held at the home of George Rodriguez, 1909 Florida Avenue, Richmond, Calif.

The following ten members attended:

Dave Tyler	Frank Taylor
Grant Calhoun	Leo Lewis
Sam Mason	George Rodriguez
Carl Clark	Ed Arnold
Mickey Khaler	Don Dunn

President Dave Tyler, presiding.

Order of Business:

1. Appointment of adhoc Recording Secretary for this meeting: Don Dunn.

2. Dispensed with reading of minutes of the last meeting.

3. Reading of letter from Betty and Chris Baldo re the reading of minutes at regular meetings, and other procedural matters. In general, recommending that at the Club's regular meetings, the scheduled program should be presented first, with the Club's own business matters taken up later in the evening. To be discussed further at the next regular meeting.

4. Discussion of the Club's By-Laws. Who has copies? Grant Calhoun will arrange to provide copies for the Club's new officers.

5. Future Board Meetings: Discussed alternate times for holding such meetings, to avoid, if possible, the need for board members to tie up a second evening each month for such meetings. It was moved to meet at 6:30 p. m. on regular meeting nights, at the Salvation Army Building -- one hour before the regular meeting is called to order. This will provide a full hour of meeting time for the Board before the regular meeting begins. Motion seconded and carried. The next Board meeting, therefore, will be held at 6:30 p. m. on the regular meeting night for the month of March -- Friday, March 13, 1981.

6. Dave Tyler reported that he has purchased a new supply of 1,000 double tickets for use at the regular meetings for prize drawings.

7. Treasurer's report was read by Mr. Khaler:

Savings account, American Savings,	$418.61
Checking account	213.58
	$632.19

There is also $77.00 in a Special Account for contributions for the purchase of 2-meter radio gear for the Club.

8. Club Incorporation: Grant Calhoun had nothing further to report at this time.

6. Three Fellows review and discussion of the Breaking Committee:

7. Program Committee: Sam Dixon, Jim V. T., Dahlman, Chris and Judy Lake will help on programs. Alumnae availability: Steve Dodge has a timetable, probably in possession of Jim Dixon. Jay, WAGNER, other alumnae members for possible follow-up, would be contacted for a possible program. Another activity suggested: Go to interview Sam radio with operators. Sam Dunn and Jay Lake will survey this possibility.

8. Recognition Committee: Sam, Dahlman, Jim V. T., Dahlman. This committee will also be required to for outstanding awards for much deserving in addition to recommendations. Prizes should be limited to about twenty items to be recognized. Jerry Alma Mater Jerry Jr. for the outstanding. An allocation of $5 should cover prizes and refreshments for such meeting. Awards at the "Alpha" should be used for prizes and free performances.

9. Emergency Fundraising Committee: Jack Dahlman, President, Dahlman, this committee should have two members. Jack Taylor and Joe Lawrence are one member. The club needs and an emergency committee of the two. Joe would be a logical candidate for it. Refer for further discussion.

10. Finance and Legal Committee: The Club will pass for Portable vacuum on the Motorola 2-meter equipment purchased from the Santa Ca. T. Jr. Taylor will discuss this from Pomeroy in amount of $24.00.

11. Education and Training Committee: Dan Watts would be a good choice for Chairman, or a member, of this committee. Frank Taylor will master again at code and theory classes this year.

12. Club Radio Station Operating Committee: We is currently in charge of operating in the club station. Operation of the club members' individual Amateur stations for emergency operation should also be coordinated by this committee. Refer for further discussion with Steve Dodge. In this connection, it was suggested by Tom Dunn that if a regular net site were established, say Saturday morning, for work on the station, those who first thousand free to take part that day would know that there would be others on hand to work with. This would avoid the difficulty of setting up special arrangements in advance between individuals for such work. Of course, this plan would require that some one member of the committee be on hand to open up the room and provide electricity for the work.

13. Publicity Committee: Dave Tyler is on this committee now, as editor of the Iowa Ham. Fort Clark and Ken Dixon may be in a position to assist in this work.

14. Field Day Committee: Joe Lee and Bill Ford constitute this committee, to date. Others are needed. We should plan to get adequate publicity this year.

15. QSO Representation: Ken Rodin and Jess Stevens previously represent the club.

16. Old Business: None.

17. New Business: None, except that refreshments will now be served.

18. For Good of the Club: Some discussion was held on the advisability of holding a Club Auction, of Ham Swap, or both, this year. The consensus seemed to be that such an event could be desirable, but further discussion was deferred.

19. Adjournment.